

Elizabeth H. Blackburn Papers
A Finding Aid to the Collection in the Library of Congress



Manuscript Division, Library of Congress
Washington, D.C.
2022

Contact information: <https://hdl.loc.gov/loc.mss/mss.contact>

Catalog Record: <https://lcn.loc.gov/mm2016086091>

Additional search options available at: <https://hdl.loc.gov/loc.mss/eadmss.ms019042>

Prepared by Manuscript Division staff

Finding aid encoded by Manuscript Division staff, 2019
Revised 2022 February

Collection Summary

Title: Elizabeth H. Blackburn Papers

Inclusive Dates: 1932-2015

Bulk Dates: 1978-2012

ID No.: MSS86091

Creator: Blackburn, Elizabeth H. (Elizabeth Helen), 1948-

Extent: 150,000 items

Extent: 408 containers plus 51 oversize

Extent: 171.4 linear feet

Extent: 74,795 digital files (904.96 GB)

Language: Collection material in English

Location: Manuscript Division, Library of Congress, Washington, D.C.

LC Catalog record: <https://lccn.loc.gov/mm2016086091>

Summary: Molecular biologist, biochemist, and educator. Correspondence, memoranda, laboratory notebooks, research files, notes, charts, speeches, writings, teaching files, organization files, biographical material, photographs, transparencies, slides, negatives, clippings, printed matter, and other material in both physical and digital formats documenting Blackburn's career as a scientist and educator.

Selected Search Terms

The following terms have been used to index the description of this collection in the LC Catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically.

People

Blackburn, Elizabeth H. (Elizabeth Helen), 1948-

Greider, Carol W.

Szostak, Jack W.

Organizations

American Society for Cell Biology.

President's Council on Bioethics (U.S.)

University of California, Berkeley--Faculty.

University of California, Berkeley.

University of California, San Francisco--Faculty.

University of California, San Francisco.

Yale University.

Subjects

Aging--Genetic aspects.

Aging--Research.

Biochemistry--Research.

Biochemistry--Study and teaching.

Breast--Cancer--Genetic aspects.

Breast--Cancer--Research.

Cancer--Genetic aspects.

Cancer--Research.

Chromosomes.

DNA polymerases.

Freshwater protozoa.

HIV (Viruses)--Genetic aspects.

HIV (Viruses)--Research.

Medicine--Societies, etc.

Microbiology--Research.

Microbiology--Study and teaching.

Nobel Prizes.
Science--Periodicals.
Science--Research.
Science--Societies, etc.
Science--Study and teaching.
Telomerase.
Telomere.
Tetrahymena.

Occupations

Biochemists.
Educators.
Molecular biologists.
Nobel Prize winners.

Acquisition Information

The papers of Elizabeth H. Blackburn were given to the Library of Congress by Blackburn in 2016.

Processing History

The papers of Elizabeth H. Blackburn were arranged and described by Connie L. Cartledge and Chad Conrady with the assistance of Jake Bozza and Rosa Hernandez in 2019. Much of the collection's overall arrangement, established by Blackburn and her staff, was retained. The finding aid was revised in 2021 to incorporate description of the digital files.

Digital files were received as part of the Elizabeth H. Blackburn Papers on a variety of storage media, each of which was assigned a unique digital ID number. Use the digital ID number to request access copies of the files associated with each media. A description of the standard processes taken on all born digital records can be found in the Processing History Note: Born Digital Collection Material at <https://hdl.loc.gov/loc/mss/eadmss.digital>. Additional processing conducted by staff included converting Eudora inbox email files into a PDF format to provide access to this content. DVDs containing multi-part, multimedia content were disk imaged.

Transfers

One audiotape and four videotapes have been transferred to the Motion Picture, Broadcasting, and Recorded Sound Division where they are identified as part of the Elizabeth H. Blackburn Papers. Patrons are encouraged to contact the Motion Picture, Broadcasting, and Recorded Sound Division in advance of a research visit.

Copyright Status

Copyright in the unpublished writings of Elizabeth H. Blackburn in these papers and in other collections in the custody of the Library of Congress is reserved. Consult reference staff in the Manuscript Division for further information.

Access and Restrictions

The papers of Elizabeth H. Blackburn are open to research. Researchers are advised to contact the Manuscript Reading Room prior to visiting. Many collections are stored off-site and advance notice is needed to retrieve these items for research use.

Technical Requirements

Digital files were created primarily in Apple operating systems (OS 7, OS 9, and OS 10) with a few files generated in a Windows operating system. Forensic disk images were created for the Apple formatted media and require emulation for access. The file types in the collection comprise a wide array of formats, including .doc, .ppt, .jpg, and .pdf, as well as files created by Canvas 5, Adobe FreeHand, and MacDraw. The collection also contains specialized file formats such as .gel, FSC2, seq, and ABIF. Each of these specialized file formats are accessible through specialized programs. The .gel file format is viewable through either ImageJ or GelQuant. The FSC2 or FSC 2.0 file formats are accessible using the FCSalyzer program. The .seq file format is made accessible using the program ClustalX. The ABIF, or the Applied Biosystems Genetic Analysis Data File Format, is difficult to use and is accessible, but has limited access through the use of ABIF Manager or the command line tool called Abif.

Sixteen three-and-a-half-inch floppy disks received with this collection are currently unprocessed due to the lack of DiskFit software to open and extract the files. Four DC 2120 tape drives and one magneto-optical disk received with this collection are currently unprocessed due to a lack of required hardware and unavailable for research. The collection includes email correspondence from Eudora and Microsoft Outlook programs. The Outlook email associated with bag mss86091_179_156 is currently unprocessed and unavailable.

Preferred Citation

Researchers wishing to cite this collection should include the following information: Container or digital ID number, Elizabeth H. Blackburn Papers, Manuscript Division, Library of Congress, Washington, D.C.

Biographical Note

Date	Event
1948, Nov. 26	Born, Hobart, Tasmania, Australia
1970	B.S., biochemistry, University of Melbourne, Melbourne, Australia
1971-1974	Researcher, Laboratory of Molecular Biology, University of Cambridge, Cambridge, England
1972	M.S., biochemistry, University of Melbourne
1975	Ph.D., molecular biology, University of Cambridge Married, John W. Sedat
1975-1977	Postdoctoral fellow in molecular and cellular biology, Yale University, New Haven, Conn.
1977-1978	Assistant research biochemist, University of California, San Francisco, Calif.
1978-1983	Assistant professor, Department of Molecular Biology, University of California, Berkeley, Calif.
1983-1986	Associate professor, University of California, Berkeley
1984	Discovered with Carol W. Greider conclusive evidence that telomerase adds to the telomere in Tetrahymena
1986-1990	Professor, University of California, Berkeley
1990-2015	Professor, joint appointment in Departments of Biochemistry and Biophysics and Microbiology and Immunology, University of California, San Francisco
1993-1999	Chair, Department of Microbiology and Immunology, University of California, San Francisco
1998	President, American Society for Cell Biology
2002-2004	Member, President's Council on Bioethics
2007	Named by <i>Time</i> as one of the 100 Most Influential People in the World
2009	Awarded jointly with Carol W. Greider and Jack W. Szostak the Nobel Prize in Physiology or Medicine
2015-	Professor emeritus, Biochemistry and Biophysics, University of California, San Francisco
2016-2018	President, Salk Institute for Biological Studies, La Jolla, Calif.
2017	Published with Elissa Epel <i>The Telomere Effect: A Revolutionary Approach to Living Younger, Healthier, Longer</i> . New York: Grand Central Publishing

Scope and Content Note

The papers of Elizabeth Helen Blackburn (1948-) span the years 1932-2015, with the bulk of the papers dating from 1978 to 2012. The collection documents primarily Blackburn's career as a microbiologist, biochemist, and science educator while a professor with the University of California at Berkeley and the University of California at San Francisco. The papers also chronicle her postdoctoral research at Yale University in New Haven, Connecticut, and at the University of California at San Francisco, her endeavors as a speaker and author, and her contributions as a member, leader, and adviser to various scientific organizations and medical advisory boards. The papers are primarily in English and are organized into fourteen series: [Correspondence](#), [Laboratory Notebooks](#), [Research File and Notes](#), [Writings File](#), [Teaching File](#), [Speech File](#), [Organizations File](#), [Administrative File](#), [Scientific Topic File](#), [Travel File](#), [Slides and Visual Materials](#), [Digital Backups](#), [Autoradiograph Film](#), and [Oversize](#) .

The collection documents Blackburn's research as a scientist and educator in the study of telomeres (the molecular protective structures at the end of chromosomes) and telomerase (the enzyme that extends telomeres and keeps cells healthy as they divide) and their effect on aging and diseases such, as cancer and HIV. For her exploration of telomeres and telomerase, Blackburn was awarded the Nobel Prize for Physiology or Medicine in 2009 with Carol W. Greider (a former student of Blackburn) and Jack W. Szostak (a collaborator with Blackburn). Blackburn's groundbreaking findings added a new dimension to the scientific understanding of the cell, offered insight into disease mechanisms, and spurred the development of new potential therapies for cancer and aging.

The collection's series are listed and briefly described below. A fuller description of each series and a list of its contents can be accessed in the series descriptions within the container list.

The [Correspondence](#) series contains Blackburn's correspondence with friends, colleagues, scientists, government officials, students, acquaintances, and the public.

The [Laboratory Notebooks](#) series constitutes over a third of the collection and contains volumes written by Blackburn herself or in collaboration with a student or technician and laboratory notebooks written by Blackburn's students, postdoctoral researchers, or technicians.

The [Research File and Notes](#) series mainly documents Blackburn's interests in telomere research.

The [Writings File](#) reflects the breadth of Blackburn's research projects and her contributions in the field of chromosome research.

The [Teaching File](#) features primarily courses taught by Blackburn during her career as a professor at the University of California at Berkeley and the University of California at San Francisco.

The [Speech File](#) consists of speeches and talks made by Blackburn throughout her career.

The [Organizations File](#) highlights Blackburn's contributions as a member, adviser, and leader of scientific organizations and medical advisory boards.

The [Administrative File](#) includes an array of files relating to Blackburn's administrative activities while a professor at the University of California at Berkeley and as a professor and department chair at the University of California at San Francisco.

The [Scientific Topic File](#) features an array of research topics of interest to Blackburn.

The [Travel File](#) consists chiefly of correspondence and memoranda about travel arrangements, travel itineraries and schedules, notes, and background material pertaining to professional conferences and advisory board meetings.

The [Slides and Visual Materials](#) contains slides, negatives, photographs and other visual material documenting the research findings of Blackburn and her collaborators.

The [Digital Backups](#) series comprises various files and directories copied mainly from Blackburn's computers, although they include a few of her assistant, Maura Clancy, and computers used by fellows and others working in Blackburn's laboratory.

The [Autoradiograph Film](#) series comprises chiefly x-ray films that complement several of the notebooks in the Laboratory Notebooks series.

The [Oversize](#) series is made up mainly of autoradiograph films and card files.

Arrangement of the Papers

This collection is arranged in fourteen series:

- [Correspondence, 1972-2015](#)
- [Laboratory Notebooks, 1975-2015](#)
- [Research File and Notes, 1932-2015](#)
- [Writings File, 1971-2015](#)
- [Teaching File, 1968-2015](#)
- [Speech File, 1970-2013](#)
- [Organizations File, 1982-2015](#)
- [Administrative File, 1971-2015](#)
- [Scientific Topic File, 1972-2010](#)
- [Travel File, 1992-2014](#)
- [Slides and Visual Materials, 1979-2014](#)
- [Digital Backups, 1980-2010](#)
- [Autoradiograph Film, 1983-2004](#)
- [Oversize, 1970-1988](#)

Description of Series

Container
BOX 1-3

Series
Correspondence, 1972-2015

The Correspondence series contains Blackburn's correspondence with friends, colleagues, scientists, government officials, students, acquaintances, and the public. The correspondence relates chiefly to Blackburn's professional and personal endeavors. Much of the correspondence overlaps, as some scientific topics are discussed in the general correspondence and some general topics are mentioned in the scientific correspondence. The scientific correspondence of the early 1980s includes letters between Blackburn and Jack W. Szostak discussing their collaboration in studying the telomere function in *Tetrahymena* and yeast. Digital files, 1989-2004, contain email and drafts of letters with friends, colleagues, scientists, students, and acquaintances relating to mainly to Blackburn's research and teaching. Digital files represent the bulk of the correspondence. Material types include letters, memoranda, cards, email, drawings, and digital files. Arranged alphabetically by type of correspondence and therein chronologically. The file structure of the digital content maintained as received.

BOX 3-151

Laboratory Notebooks, 1975-2015

The Laboratory Notebooks series constitutes over a third of the collection and contains volumes written by Blackburn herself or in collaboration with others and laboratory notebooks written by Blackburn's students, postdoctoral researchers, or technicians. The Laboratory Notebooks series includes volumes when Blackburn first began her investigation in the mid-1970s of sequencing approaches of telomeres in the ciliated protozoan *Tetrahymena*, commonly known as pond scum. Blackburn's notebooks document her findings about repeating sequences that protect the ends of chromosomes similar to the function of a plastic cap at the end of a shoelace.

Most of the Laboratory Notebooks are those of students, postdoctoral researchers, or technicians who worked with Blackburn and contain years of research about telomeres and related topics. Notebooks from the 1980s through the 1990s chronicle the study of telomerase, an enzyme that extends telomeres by allowing chromosomes to split without damage, and its function. Notebooks in the 2000s examine the impact of stress on telomeres and telomerase, finding that shorter telomeres in humans indicate illness or aging.

The Laboratory Notebooks series complements several other series in the collection, especially the [Research File and Notes](#) series, [Writings File](#), [Speech File](#), [Slides and Visual Materials](#), and the [Autoradiograph Film](#) series. The bulk of the [Autoradiograph Film](#) series supplements the data of the Laboratory Notebooks of fourteen students. The Laboratory Notebooks also include digital files of collaborators who worked with Blackburn.

Material types included in the notebooks are notes, charts, photographs, negatives, autoradiograph films, laboratory literature, a little correspondence, printed matter, and digital files.

Arranged alphabetically into two groups: Blackburn, Elizabeth and collaborators and Students, postdoctoral researchers, and technicians. The Blackburn notebooks are further arranged chronologically. The notebooks of Students, postdoctoral researchers, and technicians are arranged according to the date that each student or technician worked with Blackburn. The file structure of the digital content maintained as received.

BOX 152-197

Research File and Notes, 1932-2015

The Research File and Notes series mainly documents Blackburn's interests in telomere research. The research notes, ideas, and background material grouping comprises well over one half of the series and includes collected notes, research ideas, reports, and journal articles. Most of the topics relate to telomeres, telomerase, *Tetrahymena*, and yeast. The

Research File and Notes series includes handwritten notes by Blackburn that she took while attending scientific conferences and meetings and notes and notebooks documenting her meetings with her students and technicians pertaining to discussions about their laboratory experiments. Also present are files chronicling her collaboration with various students, postdoctoral researchers, and scientists in both analog and digital files. The digital files primarily feature the research of students and postdoctoral fellows who worked in Blackburn's laboratory at the University of California at San Francisco. The digital files include some personal material of the fellows such as job searches and travel. The Research File and Notes series complements other series in the collection, particularly the [Laboratory Notebooks series](#), [Writings File](#), [Speech File](#), and grant files located in the [Administrative File](#). Digital content is also included in some of the collaboration files and conference and meeting notes.

Material types include correspondence, memoranda, notes, reports, programs, charts, photographs, clippings, articles, digital files, clippings, and printed matter.

Arranged into seven groups: card files; collaborations; conference and meeting notes; digital files; laboratory meetings notes and notebooks; research notes, ideas, and background material; and seminar and scientific talk notes from off-site visits. The file structure of the digital content maintained as received.

BOX 197-233

Writings File, 1971-2015

The Writings File reflects the breadth of Blackburn's research projects and her contributions in the field of chromosome research. The bulk of the series comprises manuscript preparation files and digital files. The manuscript preparation files include correspondence about the publication of articles and essays; drafts; review comments by peers; charts, photographs, and artwork for publications; and a few printed articles. The manuscript preparation files are arranged according to the date of a work's publication. The digital files duplicate some of the content in the manuscript preparation files but also contain research data and additional images and visual material considered for an article as well as the visual material chosen. Digital files removed from the manuscript preparation analog files are listed with the folder from which they were separated. The Writings File complements other series in the collection, in particular the [Laboratory Notebooks](#) series. The Writings File provides published documentation of some of the discoveries from Blackburn's laboratory. Each of the reprint files contains an index located at the beginning of each group of files.

Material types include correspondence, note cards, drafts and printed versions of articles, photographs, negatives, charts, a thesis, reprints, releases, invoices, and digital files.

Arranged alphabetically by topic or type of material into six groups: digital files, manuscript preparation; masters thesis by Blackburn; miscellaneous releases, invoices, and permissions; reprints by Blackburn; and reprints by Blackburn, peer reviewed. The file structure of the digital content maintained as received.

BOX 234-266

Teaching File, 1968-2015

The Teaching File features primarily courses taught by Blackburn during her career as a professor at the University of California at Berkeley and the University of California at San Francisco. The bulk of the files relate to a biochemistry class, Biochemistry 201: Biological Regulatory Mechanisms, that Blackburn taught in conjunction with several other professors. Also present are a few courses from her time as a postdoctoral fellow at Yale University.

Material types include correspondence, memoranda, lecture notes, outlines, syllabi, student papers, class rosters, evaluations, background material, clippings, articles, printed matter, and digital files.

Arranged alphabetically by institution and further arranged alphabetically by course title. The University of California at Berkeley files are arranged into two groups: courses and subject

file. Therein they are arranged alphabetically or chronologically. The file structure of the digital content maintained as received.

BOX 266-277

Speech File, 1970-2013

The Speech File consists of speeches and talks made by Blackburn throughout her career. The Speech File contains informal talks as well as formal presentations made at professional conferences and meetings. The files include both typescript and handwritten speeches as well as background material and Powerpoint presentations in digital format for Blackburn's speeches.

Material types include correspondence, email, memoranda, charts, drafts of speeches and talks, notes, background material, printed matter, and digital files.

Arranged into two groups: background material and chronological file. The background material is arranged alphabetically by topic. The chronological file is arranged chronologically according to date of speech or date of digital materials. The file structure of the digital content maintained as received.

BOX 277-315

Organizations File, 1982-2015

The Organizations File highlights Blackburn's contributions as a member, adviser, and leader of scientific organizations and medical advisory boards. The majority of the files relate to her activities with the American Society for Cell Biology (she served as president in 1998), her work with a variety of editorial boards for scientific journals, and as a member of the President's Council on Bioethics from 2002 to 2004. Included in this series are files relating to Blackburn's dismissal from the Bioethics Council because of her support of stem cell research which differed from the position of the administration of President George W. Bush. Also reflected in the Organizations File are Blackburn's activities as an adviser to a number of groups and institutions, particularly those engaging in cancer research, and her endeavors as a participant of committees and groups affiliated with the University of California at San Francisco.

File types include correspondence, memoranda, email, minutes of meetings, reports, newsletters, proposals, statements, lists, digital files, printed matter, and other material.

Arranged alphabetically by name of organization or group and therein alphabetically or chronologically. The file structure of the digital content maintained as received.

BOX 316-357

Administrative File, 1971-2015

The Administrative File includes an array of files relating to Blackburn's administrative activities while a professor at the University of California at Berkeley and as a professor and department chair at the University of California at San Francisco. The majority of the files pertain to Blackburn's grants needed to fund her research on telomeres, telomerase, and breast cancer. The bulk of the University of California at San Francisco files pertain to the university's cancer center and document the campus move to Mission Bay. Also present are digital files documenting Blackburn's awards, including the Nobel Prize for Medicine in 2009, media and oral history interviews, and her endeavors as a professor and department chair.

Material types include correspondence, memoranda, biographical material, calendars and schedules, patents, artwork for articles and presentations, certificates, programs, business cards, photographs, negatives, digital files, clippings, and printed matter.

Arranged alphabetically by name of institution, topic, or type of material and therein alphabetically or chronologically. The file structure of the digital content maintained as received.

BOX 357-365

Scientific Topic File, 1972-2010

The Scientific Topic File features an array of research topics of interest to Blackburn.

This series complements the Research File and Notes series. Subjects treated are RNA, telomerase, telomeres, and Tetrahymena.

Types of material include correspondence, email, notes, articles, charts, and printed matter.

Arranged alphabetically by name of person or topic.

BOX 366-403

Travel File, 1992-2014

The Travel File consists chiefly of correspondence and memoranda about travel arrangements, travel itineraries and schedules, notes, and background material pertaining to professional conferences and advisory board meetings. The majority of the series chronicles Blackburn's travels from 1999 to 2014. Also included in the series are arrangements for local meetings and telephone conference calls in which she participated.

Material types include correspondence, memoranda, itineraries, programs, reports, notes, background material, digital files, and printed matter.

Arranged chronologically by date of travel or date of meeting. The file structure of the digital content maintained as received.

BOX 403-408

Slides and Visual Materials, 1979-2014

The Slides and Visual Materials series contains slides, negatives, photographs and other visual material documenting the research findings of Blackburn and her collaborators. A few notes and charts are filed with some of the slides in the analog portion of the series.

Material types include slides, negatives, notes, charts, and digital files.

Arranged by type of material and therein alphabetically by name of person or topic. The file content of the digital content maintained as received.

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Digital Backups, 1980-2010

The Digital Backups series comprises various files and directories copied mainly from Blackburn's computers, although they also include those of her assistant, Maura Clancy, and computers used by fellows and others working in Blackburn's laboratory. The Backup Folders relate to her teaching and research endeavors as a professor at the University of California, Berkeley and as a professor and department chair at the University of California, San Francisco. The files include correspondence, PowerPoint presentations for speeches, abstracts and drafts of articles, reviews of articles for journals, grant proposals and related material, teaching files, and administrative files documenting Blackburn's activities as a professor and department chair.

Material types are digital files comprised of correspondence, memoranda, lecture notes, PowerPoint presentations, abstracts of articles, reviews of articles, drafts of articles and other writings, grant files, teaching files, biographical material, curriculum vitae, photographs, charts, and visual materials.

Listed by digital ID number, with the file structure of the digital content maintained as received.

BOX OV 1-OV 47

Autoradiograph Film, 1983-2004

The Autoradiograph Film series comprises chiefly x-ray films that complement several of the notebooks in the Laboratory Notebooks series. Files of three collaborators, Marita Cohn, David Gilley, and Michael J. McEachern, consist only of autoradiograph films with no corresponding notebooks. Many of the films are annotated and have notes affixed to them.

Material types include x-ray films and notes.

Arranged chronologically according to the laboratory notebooks of collaborator to which they relate.

Oversize, 1970-1988

The Oversize series is made up mainly of autoradiograph films and card files. The card files include notes of bibliographic citations and notes about Blackburn's research. A group of autoradiograph films that complements the [Laboratory Notebooks](#) series was maintained as a separate file and is described in the [Autoradiograph Film](#) series.

Material types include autoradiograph films, film negatives, figures, glass slides, notes, and note cards.

Listed and described according to the series, containers, and folders from which the material was separated. The items are physically grouped and housed by size.

Container List

Container	Contents
BOX 1-3	<p>Correspondence, 1972-2015</p> <p>The Correspondence series contains Blackburn's correspondence with friends, colleagues, scientists, government officials, students, acquaintances, and the public. The correspondence relates chiefly to Blackburn's professional and personal endeavors. Much of the correspondence overlaps, as some scientific topics are discussed in the general correspondence and some general topics are mentioned in the scientific correspondence. The scientific correspondence of the early 1980s includes letters between Blackburn and Jack W. Szostak discussing their collaboration in studying the telomere function in Tetrahymena and yeast. Digital files, 1989-2004, contain email and drafts of letters with friends, colleagues, scientists, students, and acquaintances relating to mainly to Blackburn's research and teaching. Digital files represent the bulk of the correspondence. Material types include letters, memoranda, cards, email, drawings, and digital files. Arranged alphabetically by type of correspondence and therein chronologically. The file structure of the digital content maintained as received.</p>
BOX 1	Congratulatory, 1990-2014 (2 folders)
BOX 1	General
BOX 1	circa 1972-2000 (7 folders)
BOX 2	2001-2015, undated (5 folders)
DF	General, correspondence and email, 1989-2004 Digital ID: mss86091_179_074 Digital ID: mss86091_179_117 Digital ID: mss86091_179_138
BOX 2	Scientific, 1977-1986, 1992-2001, undated (4 folders)
BOX 2	Student letters (includes some drawings)
BOX 2	2010
BOX 3	2011
BOX 3	Thank you letters and notes, 1991-2013, undated (2 folders)
BOX 3-151	<p>Laboratory Notebooks, 1975-2015</p> <p>The Laboratory Notebooks series constitutes over a third of the collection and contains volumes written by Blackburn herself or in collaboration with others and laboratory notebooks written by Blackburn's students, postdoctoral researchers, or technicians. The Laboratory Notebooks series includes volumes when Blackburn first began her investigation in the mid-1970s of sequencing approaches of telomeres in the ciliated protozoan Tetrahymena, commonly known as pond scum. Blackburn's notebooks document her findings about repeating sequences that protect the ends of chromosomes similar to the function of a plastic cap at the end of a shoelace.</p> <p>Most of the Laboratory Notebooks are those of students, postdoctoral researchers, or technicians who worked with Blackburn and contain years of research about telomeres and related topics. Notebooks from the 1980s through the 1990s chronicle the study of</p>

Laboratory Notebooks, 1975-2015

Container	Contents
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telomerase, an enzyme that extends telomeres by allowing chromosomes to split without damage, and its function. Notebooks in the 2000s examine the impact of stress on telomeres and telomerase, finding that shorter telomeres in humans indicate illness or aging.

The Laboratory Notebooks series complements several other series in the collection, especially the [Research File and Notes](#) series, [Writings File](#), [Speech File](#), [Slides and Visual Materials](#), and the [Autoradiograph Film](#) series. The bulk of the [Autoradiograph Film](#) series supplements the data of the Laboratory Notebooks of fourteen students. The Laboratory Notebooks also include digital files of collaborators who worked with Blackburn.

Material types included in the notebooks are notes, charts, photographs, negatives, autoradiograph films, laboratory literature, a little correspondence, printed matter, and digital files.

Arranged alphabetically into two groups: Blackburn, Elizabeth and collaborators and Students, postdoctoral researchers, and technicians. The Blackburn notebooks are further arranged chronologically. The notebooks of Students, postdoctoral researchers, and technicians are arranged according to the date that each student or technician worked with Blackburn. The file structure of the digital content maintained as received.

BOX 3	Blackburn, Elizabeth and collaborators
BOX 3	1975, nick translation end labels (3 folders)
BOX 3	1975, rDNA transcription
BOX 3	1975-1976, Tetrahymena main peak rDNA (3 folders)
BOX 4	1975-1979, Tetrahymena rDNA preparation (3 folders)
BOX 4	1976-1977, BIV rDNA (4 folders)
BOX 4	1976-1981, parlodion film preparation, polynucleotide kinase, and southern evolutions from agarose gels (2 folders)
BOX 5	1977, kinase rDNA
BOX 5	1977-1986, laboratory literature (2 folders)
BOX 5	1978-1981, macronuclear DNA (2 folders)
BOX 6	1978-1981, macronuclear DNA (6 folders)
BOX 7	1978-1979, pTt 503 (2 folders)
BOX 7	1978-1979, Y DNA chromation, micrococcal nuclease, includes San Chiou notes and Blackburn's (3 folders)
BOX 7	1978-1982, 1987-1988, plasmid methods (1 folder)
BOX 8	1978-1982, 1987-1988, plasmid methods (1 folder)
BOX 8	1978-1985, methods
BOX 8	1979-1980, rDNA structure <i>See also OV 48, Film negatives</i> (3 folders)

Laboratory Notebooks, 1975-2015

Container	Contents
BOX 8	1979-1981, methods
BOX 8	1979-1981, Tetrahymena enzyme (1 folder)
BOX 9	1979-1981, Tetrahymena enzyme (6 folders)
BOX 9	1979-1982, Tetrahymena rDNA (3 folders)
BOX 10	1979-1982, Tetrahymena rDNA (4 folders)
BOX 10	1980-1981, rDNA preparation (5 folders)
BOX 11	1980-1983, Tetrahymena restriction of whole macronuclei and yeast linear plasmids <i>See also</i> <i>OV 48, Autoradiograph films relating to Tetrahymena</i> (5 folders)
BOX 11	1981-1982, m-cresol preparation of Tetrahymena rDNA, includes Alisa Katzen notes and Blackburn's (2 folders)
BOX 11	1981-1982, methylation of DNA in Tetrahymena thermophila (2 folders)
BOX 12	1981-1982, methylation of DNA in Tetrahymena thermophila (1 folder)
BOX 12	1981-1986, molecular biology protocols
BOX 12	1982, Tetrahymena strains
BOX 12	1982-1983, sequencing, 17S rRNA gene, includes Elizabeth Spangler's notes and Blackburn's (5 folders)
BOX 12	1982-1983, trypanosoma brucei labeling experiments (2 folders)
BOX 13	1982-1983, trypanosoma brucei labeling experiments (3 folders)
BOX 13	1983-1984, methods (4 folders)
BOX 13	1983-1985, laboratory literature (2 folders)
BOX 14	1984-1995, laboratory literature (3 folders)
BOX 14	1987, telomerase in vitro experiments
BOX 14	1990-1991, cloning (4 folders)
BOX 14	1990-1993, oligonucleotide from Ingraham laboratory synthesizer (2 folders)
BOX 15	1990-1993, oligonucleotide from Ingraham laboratory synthesizer (2 folders)
BOX 15	1990-1997, telomere references (4 folders)
BOX 15	2000, telomere sequences (2 folders)
BOX 15	Students, postdoctoral researchers, or technicians

Laboratory Notebooks, 1975-2015

Container	Contents
BOX 15	1979-1981, Pan Weijun, cloned cells, Tetrahymena, and single extrachromosomal RNA
BOX 15	Vol. 1 (2 folders)
BOX 16	Vol. 1 (3 folders)
BOX 16	Vol. 2 (3 folders)
BOX 16	Vol. 3 (3 folders)
BOX 17	1981-1983, Claudia Johnson, Tetrahymena gels and telomere cloning
BOX 17	Vol. 1 (4 folders)
BOX 17	Vol. 2 (5 folders)
BOX 18	1981-1987, Janis Champay, telomeric sequences in Tetrahymena and yeast <i>See also OV 48, Autoradiograph films and figures about telomeric sequences</i>
BOX 18	Vol. 1 (4 folders)
BOX 18	Vol. 2 (3 folders)
BOX 18	Vol. 3 (1 folder)
BOX 19	Vol. 3 (1 folder)
BOX 19	Vol. 4 (3 folders)
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BOX 151	2013-2014, Jes Alexander, effects of bradykininon on telomerase, differences in TERT or TERV levels, and stimulated PBMCs (3 folders)
BOX 152-197	Research File and Notes, 1932-2015 The Research File and Notes series mainly documents Blackburn's interests in telomere research. The research notes, ideas, and background material grouping comprises well over one half of the series and includes collected notes, research ideas, reports, and journal articles. Most of the topics relate to telomeres, telomerase, Tetrahymena, and yeast. The Research File and Notes series includes handwritten notes by Blackburn that she took while attending scientific conferences and meetings and notes and notebooks documenting her meetings with her students and technicians pertaining to discussions about their laboratory experiments. Also present are files chronicling her collaboration with various students, postdoctoral researchers, and scientists in both analog and digital files. The digital files primarily feature the research of students and postdoctoral fellows who worked in Blackburn's laboratory at the University of California at San Francisco. The digital files include some personal material of the fellows such as job searches and travel. The Research File and Notes series complements other series in the collection, particularly the Laboratory

	<p>Notebooks series, Writings File, Speech File, and grant files located in the Administrative File. Digital content is also included in some of the collaboration files and conference and meeting notes.</p> <p>Material types include correspondence, memoranda, notes, reports, programs, charts, photographs, clippings, articles, digital files, clippings, and printed matter.</p> <p>Arranged into seven groups: card files; collaborations; conference and meeting notes; digital files; laboratory meetings notes and notebooks; research notes, ideas, and background material; and seminar and scientific talk notes from off-site visits. The file structure of the digital content maintained as received.</p>
BOX OV 49	Card file, 1970-1984 <i>See OV 49, same heading</i>
BOX OV 50	Card file, 1973-1985 <i>See OV 50, same heading</i>
BOX 152	Collaborations
BOX 152	A-D, 1994-2007, undated (5 folders)
BOX 153	E-K, 1994-2012 (4 folders)
BOX 154	L-R, 1994-2012 (5 folders)
BOX 155	S-Y, 1996-2009 (5 folders)
DF	S-Y, Sherry Wang, movies of probably experiments, 2006-2007 Digital ID: mss86091_179_355
BOX 156	Conference and meeting notes
BOX 156	1984-1997 (6 folders)
BOX 156	1998 (1 folder)
BOX 157	1998 (1 folder)
BOX 157	1999 (2 folders)
BOX 157	2000 (3 folders)
BOX 158	2000 (2 folders)
BOX 158	2001
BOX 158	2002 (4 folders)
BOX 159	2002 (3 folders)
BOX 159	2003 (3 folders)
BOX 160	2004 (3 folders)
BOX 160	2005 (2 folders)
BOX 161	2005 (2 folders)

Research File and Notes, 1932-2015

Container	Contents
DF	2005, American Society for Cell Biology annual meeting, San Francisco, Calif., abstracts of papers Digital ID: mss86091_179_376
BOX 161	2006 (2 folders)
DF	2006, American Society for Cell Biology annual meeting, San Diego, Calif., abstracts of papers Digital ID: mss86091_179_378
BOX 161	2007 (2 folders)
BOX 162	2007 (2 folders)
BOX 162	2008 (3 folders)
BOX 163	2009-2015 (7 folders)
DF	Digital files Various files comprised of correspondence, talks, notes, article drafts, theses and other papers, curriculum vitae and some personal files of students and postdoctoral researchers who worked in Blackburn's laboratory at the University of California at San Francisco. The files include PowerPoint presentations, spreadsheets, text files, email, slides, photographs, and other visual materials relating to research in Blackburn's laboratory.
DF	Botchkina, Inna, 1999 Digital ID: mss86091_179_267
DF	Chan, Simon, and Dana Smith, 2002-2006 Digital ID: mss86091_179_064 Digital ID: mss86091_179_214
DF	Goldkorn, Amir, PowerPoint presentation for lab meeting, 2005 Digital ID: mss86091_179_140
DF	Kim, Moses, 2001 Digital ID: mss86091_179_153
DF	Li, Shang, 2000-2003 Digital ID: mss86091_179_002 Digital ID: mss86091_179_005 Digital ID: mss86091_179_011 Digital ID: mss86091_179_017 Digital ID: mss86091_179_019 Digital ID: mss86091_179_020 Digital ID: mss86091_179_021 Digital ID: mss86091_179_023 Digital ID: mss86091_179_206
DF	Makovets, Sveta, 2001-2005 Digital ID: mss86091_179_033 Digital ID: mss86091_179_034 Digital ID: mss86091_179_035 Digital ID: mss86091_179_036 Digital ID: mss86091_179_037 Digital ID: mss86091_179_038

	Digital ID: mss86091_179_039
	Digital ID: mss86091_179_040
	Digital ID: mss86091_179_041
	Digital ID: mss86091_179_042
	Digital ID: mss86091_179_043
	Digital ID: mss86091_179_044
	Digital ID: mss86091_179_045
DF	Nautiyal, Shavani, 2000
	Digital ID: mss86091_179_155
DF	Orr, Erica, 1996-1999
	Digital ID: mss86091_179_217
	Digital ID: mss86091_179_218
	Digital ID: mss86091_179_220
	Digital ID: mss86091_179_359
DF	Prescott, John, 1998-1999
	Digital ID: mss86091_179_359
DF	Rivera, Melissa, 2002
	Digital ID: mss86091_179_009
	Digital ID: mss86091_179_010
	Digital ID: mss86091_179_047
	Digital ID: mss86091_179_255
DF	Roy, Jagoree, 1995-2000
	Digital ID: mss86091_179_362
DF	Smith, Chris, 2000-2001
	Digital ID: mss86091_179_156
	Digital ID: mss86091_179_157
	Digital ID: mss86091_179_158
	Digital ID: mss86091_179_159
DF	Tzfati, Yehuda, 1999
	Digital ID: mss86091_179_216
DF	Unidentified, 2001
	Digital ID: mss86091_179_154
DF	Various individuals 1993-2006
	Digital ID: mss86091_179_064
	Digital ID: mss86091_179_360
	Digital ID: mss86091_179_361
	Digital ID: mss86091_179_363
DF	Ware, Tracy, 1998
	Digital ID: mss86091_179_215
DF	Wyman, Claire, 1988-1991
	Digital ID: mss86091_179_096
	Digital ID: mss86091_179_111
DF	Xu, Lifeng, 2000-2003
	Digital ID: mss86091_179_172
	Digital ID: mss86091_179_173
BOX 164	Laboratory meeting notes and notebooks
BOX 164	1982-2004
	(7 folders)

Research File and Notes, 1932-2015

Container	Contents
BOX 164	2004-2006 (2 folders)
BOX 165	2004-2012
BOX 165	2005-2006 (2 folders)
BOX 165	2007-2012 (4 folders)
BOX 166	2013-2015, undated (4 folders)
BOX 166	Research notes, ideas, and background material
BOX 166	Aging, HIV, and telomere length, 2009-2013 (5 folders)
BOX 166	Antibiotics/RNA group I introns and ribosome decoding, 1991
BOX 167	Ascaris coccid insects, chromosome healing, 1959-1991 (2 folders)
BOX 167	AZT, 1987-1998 (2 folders)
BOX 167	Bacterial host strains and recombinant plasmids, 1983-1987, 2005
BOX 167	Ciliate rDNA sequence, 1982-1993 (2 folders)
BOX 167	Conventional array, undated
BOX 167	<i>Culture of Epithelial Cells</i> , 1997-2002
BOX 168	DNA methylation in protozoans including Tetrahymena, 1973-1993 (2 folders)
BOX 168	DNA primer extension methods, 1985-1988
BOX 168	DNA purifications, 1971-1988 (2 folders)
BOX 168	DNA structures, unusual, 1978-1996 (4 folders)
BOX 169	Drosophila genetics, 1978-1979
BOX 169	E. coli RNA polymerase models and mechanisms, 1989-1995
BOX 169	Eukaryotic DNA replication factors, 1988-1993
BOX 169	Eukaryotic genome organization, 1971-1993 (4 folders)
BOX 170	Eukaryotic genome organization, 1971-1993 (3 folders)
BOX 170	Experimental plans, priorities, and protocols, 1980, 1990, undated
BOX 170	Gall, Joseph G., 1954-2000 (3 folders)
BOX 170	G-rich strand, telomere structural analysis, 1975-1997 (1 folder)
BOX 171	G-rich strand, telomere structural analysis, 1975-1997 (2 folders)
BOX 171	Hypotrachs, 1972-1994 (4 folders)
BOX 172	Hypotrachs, 1972-1994 (1 folder)

Research File and Notes, 1932-2015

Container	Contents
BOX 172	IES methods and experiments, 1985-1990 (2 folders)
BOX 172	In situ hybridization, 1990-1993
BOX 172	In vitro delition-litigation activity figures, undated
BOX 172	In vitro IES excision, 1982-1991
BOX 172	In vivo regulation, 1991-2002 (2 folders)
BOX 172	Macronuclear DNA replication, 1960, 1972-1994 (1 folder)
BOX 173	Macronuclear DNA replication, 1960, 1972-1994 (1 folder)
BOX 173	Maize and other meiosis, 1949, 1961-1997 (2 folders)
BOX 173	Mass spectrometry, 1997
BOX 173	Mating types, 1953-1988 (3 folders)
BOX 173	Mice, transgenic, 1995-1998
BOX 173	Microinjection, 1979-1993 (1 folder)
BOX 174	Microinjection, 1979-1993 (2 folders)
BOX 174	Microscopy, undated
BOX 174	Miscellany, 1991-2002 (4 folders)
BOX 175	Miscellany, 1991-2002 (3 folders)
BOX 175	Nuclear export/import factors, 1997
BOX 175	Plasmids, replication in DNA, 1977-1989
BOX 175	Polymerase chain reactions, 1986-1993 (3 folders)
BOX 175	Polyoma RNA viruses, 1974-1981
BOX 176	Protein systems, 1996-1997
BOX 176	Protozoan biology, 1969-1996 (2 folders)
BOX 176	rDNA
BOX 176	General, 1983-1999 (4 folders)
BOX 177	Tetrahymena strain, 1989-1994
BOX 177	RNA polymerase and sequences, 1970-1977 (2 folders)
BOX 177	RNP, 1980, 1986-1991 (2 folders)
BOX 177	rRNA structure, 1979-1989 (2 folders)
BOX 177	S1 nuclease sensitivity report, 1975-1987 (1 folder)
BOX 178	S1 nuclease sensitivity report, 1975-1987 (2 folders)

Research File and Notes, 1932-2015

Container	Contents
BOX 178	Satellite DNA, 1973-1990
BOX 178	Sequencing, 1962-1993 (5 folders)
BOX 179	Sequencing, 1962-1993 (5 folders)
BOX 179	siRNA, 2001-2004
BOX 179	Smt3 genes and pathway, 2000
BOX 179	Telomerase
BOX 179	Cellular lifespan, 1993-2001 (1 folder)
BOX 180	Cellular lifespan, 1993-2001 (1 folder)
BOX 180	General, 1981-1997 (3 folders)
BOX 180	Mice, 1997-2002 (2 folders)
BOX 180	RNA, 1983-1994 (1 folder)
BOX 181	RNA, 1983-1994 (3 folders)
BOX 181	Theoretical, 1973-1982 (2 folders)
BOX 181	Transformants, 1980, 1986-1991
BOX 181	Telomeres
BOX 181	Binding proteins, 1978-1998 (1 folder)
BOX 182	Binding proteins, 1978-1998 (4 folders)
BOX 182	Candida, 1990-1993
BOX 182	Drosophila, 1938, 1984-2003 (2 folders)
BOX 183	Drosophila, 1938, 1984-2003 (1 folder)
BOX 183	Formation and replication, 1960-2002 (3 folders)
BOX 183	Human cancer, 1990-2000
BOX 183	Insects, 1997-2004
BOX 183	Lengths and drugs in B and T cells, undated
BOX 183	Macronuclear DNA, 1979-1993 (2 folders)
BOX 184	Mice, 1992-2001 (2 folders)
BOX 184	Miscellany, 1985-1991
BOX 184	Saccharomyces cerevisiae, 1980-2007 (4 folders)
BOX 185	Saccharomyces cerevisiae, 1980-2007 (3 folders)

Research File and Notes, 1932-2015

Container	Contents
BOX 185	Schizosaccharomyces pombe, 1987-1996 (2 folders)
BOX 185	Structure, 1977-1986 (2 folders)
BOX 185	Tlc 1 cells and saccaromyces arrest, budding and spindle kinetics, 1993, 2001-2006
BOX 186	Trypanosomic VSG genes, proteins, and sequence, 1977-1985 (3 folders)
BOX 186	YAC vectors, 1986-1989
BOX 186	Telomeres and telomerase
BOX 186	Dysfunction, 1998-2002
BOX 186	Miscellany, 1976-2004 (3 folders)
BOX 187	Miscellany, 1976-2004 (1 folder)
BOX 187	Plants, 1997-1998
BOX 187	Telomeric associations and structures, 1974-1991
BOX 187	Telomeric DNA
BOX 187	General, 1987-1988
BOX 187	Physical structures, 1977-1994 (3 folders)
BOX 187	Transcription in meiosis, 1994, undated
BOX 187	Tetrahymena
BOX 187	A*, partial micrococcal, 1975
BOX 188	Biology, 1967-1988 (3 folders)
BOX 188	Chromatin bodies and cell division arrest, 1968-1993 (3 folders)
BOX 188	DNA binding proteins, 1989
BOX 188	Drug resistance, 1976-1988
BOX 188	Electroporation, 1992-1995, undated
BOX 189	Flow cytometry in nucelei, 1981, undated
BOX 189	Gene expression and chromatin, 1975-1993 (2 folders)
BOX 189	Genetics, 1966-1996 (4 folders)
BOX 190	Genetics, 1966-1996 (1 folder)
BOX 190	Genomics, 2001
BOX 190	Macronuclear clones and sequences, 1978-1997 (2 folders)
BOX 190	Macronuclei, 1964-1997 (4 folders)
BOX 191	Macronuclei, 1964-1997 (1 folder)
BOX 191	Methods, 1971-1989 (3 folders)

Research File and Notes, 1932-2015

Container	Contents
BOX 191	Miscellany, 1972-1983, 1994 (2 folders)
BOX 191	Mutants, 1974-1994 (1 folder)
BOX 192	Mutants, 1974-1994 (2 folders)
BOX 192	Parasitic plasmids, undated
BOX 192	Protein blots and gels, 1977-1989
BOX 192	rDNA
BOX 192	Chromatin transcription, 1976-1997 (2 folders)
BOX 192	General, 1975-1987 (1 folder)
BOX 193	General, 1975-1987 (3 folders)
BOX 193	Structure, 1974-1985 (2 folders)
BOX 193	Synthesis and amplification, 1972-1992 (2 folders)
BOX 194	Telomerase mutants, 1994-1997
BOX 194	Telometric chromatin, 1978-1997 (3 folders)
BOX 194	Trichodermin + L3 (ribosomal protein), 1968-1991
BOX 194	Trypanosomes, 1975-1983 (3 folders)
BOX 195	Wheat and maize, healing broken chromosomes, 1932-1950, 1982-1999 (2 folders)
BOX 195	Yeast
BOX 195	Growth and telomeres, 1988-2001 (3 folders)
BOX 195	Healing of broken chromosomes, 1985-2000 (2 folders)
BOX 196	Linear plasmids and mitotic stability, 1983-1993 (2 folders)
BOX 196	Meiosis and telomeres, 1997-2000
BOX 196	Sequences and telomeres, 1980-2001 (2 folders)
BOX 196	Telomerase mutants, 1993-1999, 2005
BOX 196	Telomeric lab strains and sequences, 1979-2001 (3 folders)
BOX 196	UV and telomerase, 2001
BOX 197	Seminar and scientific talk notes from off-site visits, 1995-2002 (3 folders)

BOX 197-233 **Writings File, 1971-2015**

The Writings File reflects the breadth of Blackburn's research projects and her contributions in the field of chromosome research. The bulk of the series comprises manuscript preparation files and digital files. The manuscript preparation files include correspondence about the

publication of articles and essays; drafts; review comments by peers; charts, photographs, and artwork for publications; and a few printed articles. The manuscript preparation files are arranged according to the date of a work's publication. The digital files duplicate some of the content in the manuscript preparation files but also contain research data and additional images and visual material considered for an article as well as the visual material chosen. Digital files removed from the manuscript preparation analog files are listed with the folder from which they were separated. The Writings File complements other series in the collection, in particular the [Laboratory Notebooks](#) series. The Writings File provides published documentation of some of the discoveries from Blackburn's laboratory. Each of the reprint files contains an index located at the beginning of each group of files. Material types include correspondence, note cards, drafts and printed versions of articles, photographs, negatives, charts, a thesis, reprints, releases, invoices, and digital files. Arranged alphabetically by topic or type of material into six groups: digital files, manuscript preparation; masters thesis by Blackburn; miscellaneous releases, invoices, and permissions; reprints by Blackburn; and reprints by Blackburn, peer reviewed. The file structure of the digital content maintained as received.

DF

Digital files

Digital files created by Blackburn and her collaborators, consisting of drafts of articles and papers, abstracts and outlines of papers, reviews of articles, book chapters, correspondence about writings, photographs and visual materials, captions for visual materials, end notes, and other supplemental material. These files were not filed with any analog files. Digital ID mss86091_179_325 contains scans of Blackburn's published journal articles and a chapter and appendix for the book *Telomeres*.

DF

1985-2006

Digital ID: mss86091_179_325

DF

1987-1994

Digital ID: mss86091_179_092**Digital ID:** mss86091_179_093**Digital ID:** mss86091_179_094**Digital ID:** mss86091_179_096**Digital ID:** mss86091_179_097**Digital ID:** mss86091_179_098**Digital ID:** mss86091_179_099**Digital ID:** mss86091_179_136**Digital ID:** mss86091_179_137**Digital ID:** mss86091_179_263

DF

1998-2004

Digital ID: mss86091_179_002**Digital ID:** mss86091_179_003**Digital ID:** mss86091_179_011**Digital ID:** mss86091_179_017**Digital ID:** mss86091_179_074**Digital ID:** mss86091_179_089**Digital ID:** mss86091_179_210**Digital ID:** mss86091_179_211**Digital ID:** mss86091_179_228**Digital ID:** mss86091_179_231**Digital ID:** mss86091_179_238**Digital ID:** mss86091_179_239**Digital ID:** mss86091_179_240

Writings File, 1971-2015

Container

Contents

	Digital ID: mss86091_179_258
	Digital ID: mss86091_179_259
	Digital ID: mss86091_179_269
	Digital ID: mss86091_179_272
	Digital ID: mss86091_179_273
	Digital ID: mss86091_179_295
DF	2005-2006
	Digital ID: mss86091_179_140
	Digital ID: mss86091_179_236
	Digital ID: mss86091_179_251
	Digital ID: mss86091_179_252
	Digital ID: mss86091_179_253
DF	2007-2008
	Digital ID: mss86091_179_024
	Digital ID: mss86091_179_078
	Digital ID: mss86091_179_080
DF	Undated
	Digital ID: mss86091_179_268
BOX 197	Manuscript preparation
BOX 197	1976-1978
	(4 folders)
BOX 198	1979
BOX 198	1970s
BOX 198	1981, Feb.-Apr.
	(4 folders)
BOX 198	1981, May
	(2 folders)
BOX 199	1981, May
	(1 folder)
BOX 199	1981, Aug.
BOX 199	1981
BOX 199	1982-1983
	(7 folders)
BOX 200	1984
	(7 folders)
BOX 200	1985, Apr.
BOX 200	1985, May 1
BOX 201	1985, May
BOX 201	1985, Aug.-Dec.
	(4 folders)
BOX 201	1985
	(2 folders)
BOX 201	1986, Jan.-Oct.
	(3 folders)
BOX 202	1986
	(6 folders)
BOX 202	1987, July-Nov.
	(5 folders)

Writings File, 1971-2015

Container	Contents
BOX 202	1987, Dec. (1 folder)
BOX 203	1987, Dec. (1 folder)
BOX 203	1987
BOX 203	1988 (4 folders)
DF	1988, "Developmentally Regulated Telomere Addition in Tetrahymena Thermophila," article draft Digital ID: mss86091_179_369
BOX 203	1989, Jan.-Apr. (4 folders)
BOX 204	1989, June-Nov. (6 folders)
BOX 204	1989
BOX 204	1990, Jan.-Feb. (3 folders)
BOX 205	1990, Mar.-Aug. (7 folders)
BOX 205	1991, Jan.-Sept. (3 folders)
BOX 206	1991, Oct.-Nov. (4 folders)
BOX 206	1991 (2 folders)
BOX 206	1992, Apr. (2 folders)
BOX 206	1992 (1 folder)
BOX 207	1992 (2 folders)
BOX 207	1993, Apr.-Oct. (5 folders)
BOX 207	1993 (2 folders)
BOX 208	1993 (3 folders)
BOX 208	1994, Jan.-Mar. (5 folders)
BOX 208	1994, Apr. (2 folders)
BOX 209	1994, Apr. (1 folder)
BOX 209	1994, June-Dec. (2 folders)
BOX 209	1995, Jan.-June (7 folders)

Writings File, 1971-2015

Container	Contents
DF	1994-1995, "Tandem Repeats of the 5' Non-Transcribed Spacer of Tetrahymena rDNA Function as High Copy Number Autonomous Replicons in the Macronucleus but Do Not Prevent rRNA Gene Dosage Regulation," article draft Digital ID: mss86091_179_370
BOX 210	1995, July-Sept. (7 folders)
BOX 210	1995 (1 folder)
BOX 211	1995 (3 folders)
BOX 211	1996, Jan.-Feb. (6 folders)
BOX 212	1996, July-Sept. (4 folders)
BOX 212	1996
DF	1996, "DNA Replication in Tetrahymena," drafts and related material of book chapter for <i>DNA Replication in Eukaryotic Cells</i> Digital ID: mss86091_179_367
DF	1996, "DNA Replication in Tetrahymena," references for book chapter in <i>DNA Replication in Eukaryotic Cells</i> Digital ID: mss86091_179_368
BOX 212	1997, Feb. 15 (4 folders)
BOX 213	1997, Feb. 17
BOX 213	1997, Mar.-Nov. (8 folders)
DF	1997, "Block in Anaphase Chromosome Separation Caused by a Telomerase Template Mutation," article draft Digital ID: mss86091_179_372
DF	1997, "Block in Anaphase Chromosome Separation Caused by a Telomerase Template Mutation," article draft, encoded version Digital ID: mss86091_179_373
DF	1997, "Block in Anaphase Chromosome Separation Caused by a Telomerase Template Mutation," figure 3 for article Digital ID: mss86091_179_374
DF	1997, "Aspergillus Nidulans Maintains Short Telomeres Throughout Development," article draft and figures for article Digital ID: mss86091_179_375
BOX 214	1997
BOX 214	1998, Feb.-May (10 folders)
BOX 214	1998, July (1 folder)
BOX 215	1998, July (3 folders)
BOX 215	1998, Sept.-Nov. (5 folders)
BOX 215	1998 (2 folders)

Writings File, 1971-2015

Container	Contents
BOX 215	1999, Jan.
BOX 216	1999, Mar.-Nov. (9 folders)
DF	1999, "Telomerase in Kinetoplastid Parasitic Protozoa," figures and tables Digital ID: mss86091_179_379
DF	1999, "Detrimental Cellular Phenotypes are Caused by Telomere Deregulation, Rather than Elongation," table Digital ID: mss86091_179_380
BOX 216	1999 (3 folders)
DF	1999, Orr, Erica, yeast studies, Telomere tumor in yeast RAP1p (protein) and possible impact on AIDS, article drafts Digital ID: mss86091_179_381
BOX 217	2000, Apr.-June (8 folders)
BOX 218	2000, Oct.-Nov. (6 folders)
BOX 218	2000 (3 folders)
BOX 219	2000 (1 folder)
BOX 219	2001, July-Aug. (5 folders)
BOX 219	2001, Sept. (1 folder)
BOX 220	2001, Sept. (5 folders)
BOX 220	2002, Jan. 11 (2 folders)
BOX 220	2002, Jan. 21
BOX 220	2002, Jan. (1 folder)
BOX 221	2002, Jan. (1 folder)
BOX 221	2002, July-Dec. (6 folders)
DF	2002, "A Molecular Switch Underlies a Human Telomerase Disease," article drafts, letter of submission, and visual material Digital ID: mss86091_179_382 Digital ID: mss86091_179_383 Digital ID: mss86091_179_384 Digital ID: mss86091_179_385 Digital ID: mss86091_179_386 Digital ID: mss86091_179_387 Digital ID: mss86091_179_389 Digital ID: mss86091_179_390
BOX 221	2002 (2 folders)

Writings File, 1971-2015

Container	Contents
BOX 222	2003, Feb. (3 folders)
DF	2003, "Telomeric Protein Distribution and Remodeling Through the Cell Cycle in Saccharomyces Cerevisiae," article drafts, notes, figures, and spreadsheets of data Digital ID: mss86091_179_391 Digital ID: mss86091_179_393
BOX 222	2003, May 1 (4 folders)
BOX 222	2003, May (1 folder)
BOX 223	2003, May (1 folder)
BOX 223	2003, July (4 folders)
BOX 223	2003, Aug. (3 folders)
DF	2003, Article, "Catalytically Active Human Telomerase Mutants with Allele-specific Biological Properties;" book chapter, "High Sequence Variation in Telomeres of U11-hTer Expressing LNCaP Cells;" and book chapter, A Hypomorphic Telomerase Mutant," drafts, figures, captions for figures, spreadsheets, and photographs Digital ID: mss86091_179_394
BOX 224	2003, Aug. (1 folder)
BOX 224	2003, Oct.-Nov. (2 folders)
DF	2003, "A Role for A Novel 'trans-Pseudoknot' RNA-RNA Interaction in the Functional Dimerization of Human Telomerase," article draft Digital ID: mss86091_179_395
BOX 224	2003 (4 folders)
BOX 224	2004, Jan. (3 folders)
BOX 224	2004, Feb. (1 folder)
BOX 225	2004, Feb. (1 folder)
BOX 225	2004, Apr.-July (8 folders)
BOX 226	2004, Aug.-Oct. (4 folders)
BOX 226	2004, Dec. 6 (3 folders)
BOX 226	2004, Dec. 7 (1 folder)
BOX 227	2004, Dec. 7 (1 folder)
BOX 227	2004, Dec. 17 (4 folders)

Writings File, 1971-2015

Container	Contents
BOX 227	2004, Dec. (3 folders)
BOX 228	2004 (3 folders)
BOX 228	2005, Feb.-Aug. (7 folders)
BOX 229	2005, Sept. (3 folders)
BOX 229	2005, Spring
BOX 229	2005 (3 folders)
BOX 229	2006, Apr.-Oct. (5 folders)
BOX 230	2006 (4 folders)
BOX 230	2007 (2 folders)
BOX 230	2008, Jan.-Sept. (4 folders)
BOX 230	2008, Oct. 27 (1 folder)
BOX 231	2008, Oct. 27 (2 folders)
BOX 231	2008, Oct.
BOX 231	2008, Nov.-Dec. (2 folders)
BOX 231	2008
BOX 231	2009-2011 (10 folders)
BOX 232	2012-2015 (5 folders)
BOX 232	Masters thesis by Blackburn, 1971
BOX 232	Miscellaneous releases, invoices, and permissions, 1996-1998, 2008-2014
BOX 232	Reprints by Blackburn
BOX 232	Index, 2004
BOX 232	Nos. 1-12, 1979-1986
BOX 232	Nos. 13-29, 1987-1995
BOX 232	Nos. 30-39, 1996-1999
BOX 232	Nos. 40-49, 2000-2004
BOX 233	Unnumbered, 2001-2006, undated (2 folders)
BOX 233	Reprints by Blackburn, peer reviewed
BOX 233	Index, 2004
BOX 233	P1-P12, 1972-1981
BOX 233	P13-P29, 1982-1987
BOX 233	P30-P45, 1987-1989
BOX 233	P46-P61, 1990-1994

Writings File, 1971-2015

Container	Contents
BOX 233	P62-P78, 1995-1997
BOX 233	P79-P97, 1998-2001
BOX 233	P98-P109, 2002-2003
BOX 233	P110-P124, 2004-2006
BOX 234-266	Teaching File, 1968-2015 <p>The Teaching File features primarily courses taught by Blackburn during her career as a professor at the University of California at Berkeley and the University of California at San Francisco. The bulk of the files relate to a biochemistry class, Biochemistry 201: Biological Regulatory Mechanisms, that Blackburn taught in conjunction with several other professors. Also present are a few courses from her time as a postdoctoral fellow at Yale University.</p> <p>Material types include correspondence, memoranda, lecture notes, outlines, syllabi, student papers, class rosters, evaluations, background material, clippings, articles, printed matter, and digital files.</p> <p>Arranged alphabetically by institution and further arranged alphabetically by course title. The University of California at Berkeley files are arranged into two groups: courses and subject file. Therein they are arranged alphabetically or chronologically. The file structure of the digital content maintained as received.</p>
BOX 234	University of California at Berkeley, Berkeley, Calif.
BOX 234	Courses
BOX 234	Biology 215
BOX 234	1982
	(6 folders)
BOX 234	1984
	(2 folders)
BOX 235	1984
	(3 folders)
BOX 235	1986
	(3 folders)
BOX 235	Molecular biology 100A, 1983
BOX 235	Molecular biology 100B
BOX 235	1981
	(2 folders)
BOX 236	1982-1986
	(9 folders)
BOX 236	1987
	(1 folder)
BOX 237	1987
	(1 folder)
BOX 237	1988-1989
	(4 folders)
BOX 237	Molecular Biology 101, 1979
BOX 237	Molecular Biology 110A, 1979
BOX 237	Exams and related material
BOX 238	Lectures 1-23
	(12 folders)

Teaching File, 1968-2015

Container	Contents
BOX 239	Molecular Biology 110A, 1980 (6 folders)
BOX 239	Molecular Biology 140, 1990 (3 folders)
DF	Molecular Biology 140, lecture notes, exams, and exam answers, 1990 Digital ID: mss86091_179_138
BOX 239	Molecular Biology 200A 1978-1981
BOX 239	Molecular Biology 200B
BOX 239	1985
BOX 240	1986-1987 (3 folders)
BOX 240	Molecular Biology 210, 1982
BOX 240	Molecular Biology 290, 1979-1988 (8 folders)
BOX 241	Subject file
BOX 241	Chromosome ultrastructure, 1974-1994 (5 folders)
BOX 241	Chromosomes, nucleosomes, and folding, 1976-1990 (4 folders)
BOX 241	Ciliate genetic code, 1982-1989, undated
BOX 241	Eucaryotic DNA replication, 1974-1990 (1 folder)
BOX 242	Eucaryotic DNA replication, 1974-1990 (1 folder)
BOX 242	Gene amplification, 1968-1969, 1979-1989 (2 folders)
BOX 242	Gene expression, control of, 1977-1989 (4 folders)
BOX 242	Immunoglobulin gene rearrangement, 1980-1988 (2 folders)
BOX 242	Miscellany, 1975-1985 (1 folder)
BOX 243	Miscellany, 1975-1985 (1 folder)
BOX 243	Mitochondria and chloroplast, 1978-1987 (4 folders)
BOX 243	Molecular evolution, 1979-1988 (2 folders)
BOX 243	Oncogenes, 1979
BOX 243	Paramecium, 1971-1995 (2 folders)
BOX 244	Paramecium, 1971-1995 (2 folders)
BOX 244	Trypanosome gene expression, 1978-1986 (2 folders)
BOX 244	University of California at San Francisco, courses
BOX 244	Biochemistry 110A, 1997-2002 (2 folders)

Teaching File, 1968-2015

Container	Contents
BOX 245	Biochemistry 110A, 1997-2002 (3 folders)
DF	Biochemistry 110A, syllabus, PowerPoint slides, and "overhead" images, 2000-2001 Digital ID: mss86091_179_228 Digital ID: mss86091_179_273
BOX 245	Biochemistry 198, 1992-1995
BOX 245	Biochemistry 200, 1984
BOX 245	Biochemistry 200C, 1990 (2 folders)
BOX 246	Biochemistry 200C, 1990 (1 folder)
BOX 246	Biochemistry 201, Biological Regulatory Mechanisms
BOX 246	1991 (7 folders)
BOX 247	1992 (12 folders)
BOX 248	1992 (3 folders)
BOX 248	1993 (4 folders)
BOX 249	1993 (10 folders)
BOX 250	1993 (8 folders)
BOX 251	1993 (1 folder)
BOX 251	1995-1996 (4 folders)
BOX 251	1997 (3 folders)
BOX 252	1997 (4 folders)
BOX 252	1998 (4 folders)
BOX 253	1998 (2 folders)
BOX 253	1999 (5 folders)
BOX 253	2000 (2 folders)
BOX 254	2000 (5 folders)
BOX 254	2001 (4 folders)
BOX 255	2001 (2 folders)
BOX 255	2002 (5 folders)

Teaching File, 1968-2015

Container	Contents
BOX 255	2003 (2 folders)
BOX 256	2003 (8 folders)
BOX 257	2003 (7 folders)
BOX 258	2003 (8 folders)
BOX 259	2003 (5 folders)
BOX 259	2005 (3 folders)
BOX 260	2005 (1 folder)
DF	2005, lectures (including genomic lectures), handouts for class, and related slides for lectures Digital ID: mss86091_179_245 Digital ID: mss86091_179_401
BOX 260	2006-2007 (5 folders)
BOX 260	2008 (1 folder)
BOX 261	2008 (2 folders)
BOX 261	2009 (4 folders)
BOX 261	2011 (1 folder)
BOX 262	2011 (4 folders)
BOX 262	2012 (3 folders)
BOX 262	2013 (1 folder)
BOX 263	2013 (2 folders)
BOX 263	2014 (2 folders)
BOX 263	2015 (4 folders)
BOX 264	2015 (1 folder)
BOX 264	Biology 245, 2000-2001
BOX 264	Biomedical Sciences, 126 (dental course), 2005-2006 (2 folders)
BOX 264	Biophysics 209 (cancer genetics), 1996
BOX 264	Cell biology 245, 1999

Teaching File, 1968-2015

Container	Contents
BOX 264	Microbiology 116, 1992-1994 (4 folders)
BOX 265	Molecular cell biology 140, 1990 (3 folders)
BOX 265	MSTP, 1991
BOX 265	Program in Biological Science (PIBS) mini course, 2009-2012 (4 folders)
BOX 266	Yale University, New Haven, Conn.
BOX 266	Biology 165A, Organization of Eukaryotic Chromosomes, 1975
BOX 266	Biology 166A, Nucleocytoplasmic Interactions, 1976
BOX 266-277	Speech File, 1970-2013 The Speech File consists of speeches and talks made by Blackburn throughout her career. The Speech File contains informal talks as well as formal presentations made at professional conferences and meetings. The files include both typescript and handwritten speeches as well as background material and Powerpoint presentations in digital format for Blackburn's speeches. Material types include correspondence, email, memoranda, charts, drafts of speeches and talks, notes, background material, printed matter, and digital files. Arranged into two groups: background material and chronological file. The background material is arranged alphabetically by topic. The chronological file is arranged chronologically according to date of speech or date of digital materials. The file structure of the digital content maintained as received.
BOX 266	Background material
BOX 266	Apoptosis, 1997-2001
BOX 266	Ataxia telangiectasia mutated (ATM), 1995-2006 (2 folders)
BOX 266	Centromeres, 1984-2001
BOX 266	DNA replication, 1976-2001 (2 folders)
BOX 267	DNA replication factors, 1992-2006 (2 folders)
BOX 267	Human telomerase, cancer, 1992-2006 (4 folders)
BOX 267	Human telomeres, cellular life span, 1980-1999 (2 folders)
BOX 268	Huntington's disease, 1989-1996
BOX 268	Mammalian telomerase
BOX 268	Inhibitors and mutants, effects on cells and related material, 1993-2002 (2 folders)
BOX 268	Short-term effects on repair, responses, and related material, 2001-2006 (2 folders)
BOX 268	Mouse and human telomeres, 1992-2002 (3 folders)
BOX 268	Press, undated
BOX 269	Recombination, 1986-2000 (3 folders)
BOX 269	RNA and protein structure, 1970, 1994-1999

Speech File, 1970-2013

Container	Contents
BOX 269	RNA structure, 1992-2007 (2 folders)
BOX 269	Saccharomyces cerevisiae telomerase, 1995-2002 (2 folders)
BOX 270	Saccharomyces cerevisiae telomerase, 1995-2002 (1 folder)
BOX 270	Telomerase reverse transcriptase (TERT), 1997-2001 (2 folders)
BOX 270	Topoisomerases, 1974, 1983-1993 (2 folders)
BOX 270	Transcription and RNA processing linkage, 1991-1997
BOX 270	Transcription replication connectors, 1986-1997 (2 folders)
BOX 270	Werner syndrome and TRF2, 2002
BOX 270	Yeasts, 1997-2000
BOX 271	Chronological file
BOX 271	1979-1990 (11 folders)
BOX 271	1991, Mar.-Oct. (3 folders)
BOX 272	1991
BOX 272	1992-1996 (15 folders)
BOX 272	1997, Jan.-Aug. (2 folders)
BOX 273	1997, Sept.-Nov. (4 folders)
BOX 273	1998-1999 (9 folders)
DF	1999, various talks and speeches, PowerPoint presentations and slides Digital ID: mss86091_179_210
BOX 274	2000 (12 folders)
DF	2000, various talks and speeches, PowerPoint presentations, slides, and other visual materials Digital ID: mss86091_179_060 Digital ID: mss86091_179_071 Digital ID: mss86091_179_197 Digital ID: mss86091_179_210 Digital ID: mss86091_179_212 Digital ID: mss86091_179_233 Digital ID: mss86091_179_244 Digital ID: mss86091_179_247 Digital ID: mss86091_179_261 Digital ID: mss86091_179_273
BOX 274	2001, Jan.-May (4 folders)

Speech File, 1970-2013

Container	Contents
BOX 274	2001, June (1 folder)
BOX 275	2001, June (1 folder)
BOX 275	2001, July-Dec. (3 folders)
DF	2001, various talks and speeches, PowerPoint presentations, slides, photographs, and other visual materials Digital ID: mss86091_179_060 Digital ID: mss86091_179_069 Digital ID: mss86091_179_070 Digital ID: mss86091_179_083 Digital ID: mss86091_179_091 Digital ID: mss86091_179_144 Digital ID: mss86091_179_145 Digital ID: mss86091_179_146 Digital ID: mss86091_179_148 Digital ID: mss86091_179_154 Digital ID: mss86091_179_178 Digital ID: mss86091_179_180 Digital ID: mss86091_179_184 Digital ID: mss86091_179_198 Digital ID: mss86091_179_199 Digital ID: mss86091_179_207 Digital ID: mss86091_179_209 Digital ID: mss86091_179_210 Digital ID: mss86091_179_212 Digital ID: mss86091_179_221 Digital ID: mss86091_179_222 Digital ID: mss86091_179_223 Digital ID: mss86091_179_226 Digital ID: mss86091_179_227 Digital ID: mss86091_179_228 Digital ID: mss86091_179_229 Digital ID: mss86091_179_231 Digital ID: mss86091_179_233 Digital ID: mss86091_179_240 Digital ID: mss86091_179_242 Digital ID: mss86091_179_244 Digital ID: mss86091_179_247 Digital ID: mss86091_179_249 Digital ID: mss86091_179_250 Digital ID: mss86091_179_273
BOX 275	2002, Jan.-Oct. (7 folders)
BOX 275	2002, Dec. 2-7 (2 folders)
BOX 276	2002, Dec. 2-7 (1 folder)

Speech File, 1970-2013

Container

Contents

BOX 276	2002, Dec. 7
DF	2002, various talks and speeches, PowerPoint presentations, slides, photographs, and other visual materials Digital ID: mss86091_179_060 Digital ID: mss86091_179_089 Digital ID: mss86091_179_186 Digital ID: mss86091_179_192 Digital ID: mss86091_179_204 Digital ID: mss86091_179_214 Digital ID: mss86091_179_219 Digital ID: mss86091_179_228 Digital ID: mss86091_179_231 Digital ID: mss86091_179_244 Digital ID: mss86091_179_255
BOX 276	2003
	(7 folders)
DF	2003, various talks and speeches, PowerPoint presentations, slides, photographs, a movie, and other visual materials Digital ID: mss86091_179_052 Digital ID: mss86091_179_060 Digital ID: mss86091_179_089 Digital ID: mss86091_179_179 Digital ID: mss86091_179_181 Digital ID: mss86091_179_204 Digital ID: mss86091_179_229 Digital ID: mss86091_179_238 Digital ID: mss86091_179_244 Digital ID: mss86091_179_248
BOX 276	2004, Mar.-June
	(5 folders)
BOX 277	2004, July-Dec.
	(4 folders)
DF	2004, Sept., Heineken Prize for Medicine lecture, video and PowerPoint presentation Digital ID: mss86091_179_399
DF	2004, Oct., Institute of Medicine (now the National Academy of Medicine), PowerPoint presentations Digital ID: mss86091_179_348
DF	2004, Oct., keynote speech for the Environmental Mutagen Society, 35th annual meeting, Pittsburgh, Pa., PowerPoint presentation Digital ID: mss86091_179_400
DF	2004, Dec., 27th Annual Charles A. Coltman Jr. San Antonio Breast Cancer Symposium An Interactive Compendium of Presentations and Abstracts, video Digital ID: mss86091_179_350
DF	2004, various talks and speeches, PowerPoint presentations, slides, video, photographs, and other visual materials Digital ID: mss86091_179_053 Digital ID: mss86091_179_054 Digital ID: mss86091_179_174 Digital ID: mss86091_179_176 Digital ID: mss86091_179_177

	Digital ID: mss86091_179_187
	Digital ID: mss86091_179_188
	Digital ID: mss86091_179_196
	Digital ID: mss86091_179_200
	Digital ID: mss86091_179_208
	Digital ID: mss86091_179_233
	Digital ID: mss86091_179_234
	Digital ID: mss86091_179_254
	Digital ID: mss86091_179_255
	Digital ID: mss86091_179_384
BOX 277	2005-2013, undated (8 folders)
DF	2005-2014, various talks and speeches, PowerPoint presentations, slides, photographs, programs and abstracts, and videos Digital ID: mss86091_179_024 Digital ID: mss86091_179_050 Digital ID: mss86091_179_081 Digital ID: mss86091_179_082 Digital ID: mss86091_179_087 Digital ID: mss86091_179_088 Digital ID: mss86091_179_147 Digital ID: mss86091_179_165 Digital ID: mss86091_179_246 Digital ID: mss86091_179_306 Digital ID: mss86091_179_308 Digital ID: mss86091_179_324
BOX 277-315	Organizations File, 1982-2015 The Organizations File highlights Blackburn's contributions as a member, adviser, and leader of scientific organizations and medical advisory boards. The majority of the files relate to her activities with the American Society for Cell Biology (she served as president in 1998), her work with a variety of editorial boards for scientific journals, and as a member of the President's Council on Bioethics from 2002 to 2004. Included in this series are files relating to Blackburn's dismissal from the Bioethics Council because of her support of stem cell research which differed from the position of the administration of President George W. Bush. Also reflected in the Organizations File are Blackburn's activities as an adviser to a number of groups and institutions, particularly those engaging in cancer research, and her endeavors as a participant of committees and groups affiliated with the University of California at San Francisco. File types include correspondence, memoranda, email, minutes of meetings, reports, newsletters, proposals, statements, lists, digital files, printed matter, and other material. Arranged alphabetically by name of organization or group and therein alphabetically or chronologically. The file structure of the digital content maintained as received.
BOX 277	Alberta Heritage Foundation for Medical Research, 1998-2005 (2 folders)
BOX 278	Alberta Heritage Foundation for Medical Research, 1998-2005 (2 folders)
BOX 278	American Academy of Arts and Sciences, 1995-2010 (4 folders)
BOX 278	American Academy of Microbiology

Organizations File, 1982-2015

Container	Contents
BOX 278	Eli Lilly and Company Research Award, 1998-1999 (1 folder)
BOX 279	Eli Lilly and Company Research Award, 1998-1999 (1 folder)
BOX 279	General, 1992-2008
BOX 279	American Association for Cancer Research, 2000-2015 (3 folders)
BOX 280	American Association for Cancer Research, 2000-2015 (3 folders)
DF	American Association for Cancer Research, correspondence, applications, ballots, curriculum vitae, and related documents relating to Blackburn's service on selection committees for several awards given by the organization, 2005-2008 Digital ID: mss86091_179_281 Digital ID: mss86091_179_282 Digital ID: mss86091_179_283
BOX 280	American Association for the Advancement of Science, 2000-2008 (5 folders)
BOX 281	American Institute of Chemists, 2012-2013
BOX 281	American Philosophical Society, 2005-2008
BOX 281	American Society for Cell Biology
BOX 281	Annual meetings
BOX 281	1996-1998 (5 folders)
BOX 282	1999-2003 (4 folders)
BOX 282	California, K-12 science education standards, 1998
BOX 282	Council meetings
BOX 282	1997
BOX 283	1998, May (2 folders)
BOX 283	1998, Dec. (4 folders)
BOX 284	1998, Dec. (1 folder)
BOX 284	1999-2000
BOX 284	E. B. Wilson Award, 1998-1999 (3 folders)
BOX 284	Education Committee, 1997-1999 (2 folders)
BOX 285	Federation of American Societies for Experimental Biology (FASEB), 1997-1999 (3 folders)
BOX 286	Federation of American Societies for Experimental Biology (FASEB), 1997-1999 (1 folder)
BOX 286	Finance Committee, 1997-1998
BOX 286	General, 1997-1998 (3 folders)
BOX 286	Healthy and Smoke Free Children Act, 1997-1998
BOX 286	International Affairs Committee, 1997-1998

Organizations File, 1982-2015

Container	Contents
BOX 286	Joint Steering Committee for Public Policy, 1997-1999 (1 folder)
BOX 287	Joint Steering Committee for Public Policy, 1997-1999 (2 folders)
BOX 287	Keith R. Porter Award, 1997-1998
BOX 287	Marincola, Elizabeth, 1997-2005
BOX 287	Membership issues, 1997-1999 (2 folders)
BOX 287	Membrane trafficking and the cytoskeleton, meeting, 1998
BOX 287	Minority Affairs Committee, 1997-1999
BOX 287	<i>Molecular Biology of the Cell</i> , 1997-1999
BOX 287	National Aeronautics and Space Administration (NASA), 1997-2000 (1 folder)
BOX 288	National Aeronautics and Space Administration (NASA), 1997-2000 (1 folder)
BOX 288	National Bureau of Economic Research, 1998-2000
BOX 288	Nominating Committee, 1997-2000, 2006 (4 folders)
BOX 288	Novartis Award for Research Innovation, 1997
BOX 288	Pappas, George D., and Marine Biological Laboratory, Woods Hole, Mass., proposal, 1998
BOX 288	Presidency, 1996-1999 (2 folders)
BOX 288	Program Committee, 1997-1998 (2 folders)
BOX 288	Promega Early Career Life Scientist Award, 1999
BOX 289	Public Information Committee, 1997-1998
BOX 289	Public Policy Committee, 1998-1999 (2 folders)
BOX 289	Public policy issues, 1997-1998
BOX 289	Public Service Award, 1998
BOX 289	Publications Committee, 1997-1998
BOX 289	<i>Science</i> , article, 1998
BOX 289	Staffing issues, 1998-1999
BOX 289	Women in Cell Biology Committee, 1997-2007 (2 folders)
BOX 290	Women in Cell Biology Committee, 1997-2007 (2 folders)
BOX 290	Young Investigators Award, 1998
BOX 290	American Society for Microbiology, 1993-2001 (3 folders)
BOX 290	Australian Academy of Science, 2007
BOX 290	Bay Area Telomere Club, Berkeley, Calif. 2000-2003
BOX 290	California Academy of Science, 2013-2014
BOX 290	California Department of Health Services Human Stem Cell Research Advisory Committee General, 2003-2007
BOX 290	Meetings

Organizations File, 1982-2015

Container	Contents
BOX 290	2006 (2 folders)
BOX 291	2006 (1 folder)
BOX 291	2007-2011 (8 folders)
BOX 291	Stem cell biology, 2002-2007
BOX 291	California Stem Cell Research and Cures Initiative, 2002-2005 (3 folders)
BOX 292	Chromos, undated
BOX 292	Damon Runyon-Walter Winchell Foundation, 1997, 2007
DF	Damon Runyon-Walter Winchell Foundation, applications, correspondence, research proposals, and a list of candidates (Blackburn served as a reviewer), 2007 Digital ID: mss86091_179_311
BOX 292	Dr. Paul Janssen Award for Biomedical Research, 2012-2014
BOX 292	Editorial boards
BOX 292	American Association for Cancer Research, publications, 2002-2003, 2010-2013
BOX 292	<i>American Journal of Obstetrics and Gynecology</i> , 1997
BOX 292	<i>Biochemistry</i> , 1995-1997
BOX 292	BioMed Central, 2000-2002
BOX 292	BioMed Net, 2001
BOX 292	<i>Current Biology</i> and <i>Current Opinion in Genetics & Development</i> , 1990-2004, 2011 (3 folders)
BOX 292	<i>EMBO Journal</i> , 1992-1994, 2000-2002
BOX 292	<i>Genes & Development</i> , 1994-2004
BOX 293	<i>Genes, Chromosomes and Cancer</i> , 2003
BOX 293	<i>Journal of Cell Biology</i> , 1985-1988, 2002 (2 folders)
BOX 293	<i>Journal of Eukaryotic Microbiology</i> , 1994-1998
BOX 293	<i>Journal of Protozoology</i> and the Society of Protozoologists, 1988-1992 (2 folders)
BOX 293	<i>Medicine & Science in Sports & Exercise</i> , 2003
BOX 293	Miscellaneous reviews, 1987-1993
BOX 293	<i>Molecular and Cellular Biology</i> , 1992-2006 (4 folders)
BOX 293	<i>Molecular Biology of the Cell</i> 1990-1991
BOX 293	1996-2004 (6 folders)
BOX 294	<i>Molecular Cancer Research</i> , 2005-2007
BOX 294	<i>Nature</i> , 1996-1998
BOX 294	<i>Neuron</i> , 2005
BOX 294	<i>Nucleic Acids Research</i> , 1992-2004
BOX 295	<i>Proceedings of the National Academy of Science</i> , 1995-2006 (4 folders)
BOX 296	<i>Proceedings of the National Academy of Science</i> , 1995-2006 (2 folders)

Organizations File, 1982-2015

Container	Contents
BOX 296	<i>PLos Biology</i> , 2003-2005
BOX 296	<i>Science</i> , 1984-1987, 1995-2000
BOX 296	<i>Trends in Cell Biology</i> , 1997-1999
BOX 296	European Molecular Biology Organization (EMBO), 2010-2012
BOX 296	Franklin Institute, Philadelphia, Pa. 2005
BOX 296	Fred Hutchinson Cancer Research Center, Seattle, Wash., 1995-2001 (1 folder)
BOX 297	Fred Hutchinson Cancer Research Center, Seattle, Wash., 1995-2001 (1 folder)
BOX 297	Gairdner Foundation Medical Advisory Board, 2002-2007
BOX 297	General Motors Cancer Research Award, 2002-2006
BOX 297	Genetics Society of America
BOX 297	Board of directors
BOX 297	Conference call, 2001 (2 folders)
BOX 297	General, 1999-2001 (3 folders)
BOX 297	General, 1999-2003
BOX 298	Gladstone Foundation
BOX 298	2011-2014 (3 folders)
BOX 298	Gladstone Institute of Virology and Immunology
BOX 298	2002 (3 folders)
BOX 298	2004 (1 folder)
BOX 299	2004 (2 folders)
BOX 299	2011
BOX 299	Gruber Foundation, 2006-2010
BOX 299	Harvard University, Cambridge, Mass., Committee to Visit the Harvard Medical School and School of Dental Medicine, 2004-2009
BOX 299	Helen Hay Whitney Scientific Advisory Committee, 1996
BOX 299	Huntsman Cancer Institute, Salt Lake City, Utah
BOX 299	Cancer Center support grant, 2003 (3 folders)
BOX 300	Cancer Center support grant, 2003 (1 folder)
BOX 300	External Advisory Board, 2011 (2 folders)
BOX 300	Scientific Advisory Board, 2003-2008 (3 folders)
BOX 300	Imagine Institute for Genetic Diseases, Paris, France, Scientific Advisory Board, 2009
BOX 301	Institute of Medicine, Washington, D.C.
BOX 301	Elections, 2003-2005 (3 folders)

Organizations File, 1982-2015

Container	Contents
DF	Elections, nomination forms and related material for Frank McCormick and Thea Tlsty, 2005 Digital ID: mss86091_179_245
BOX 301	General, 2000-2005, 2013 (3 folders)
BOX 302	Jane Coffin Childs Fund for Medical Research
BOX 302	1997-2001 (2 folders)
BOX 302	2003 (3 folders)
BOX 303	2003 (3 folders)
BOX 304	2003 (1 folder)
BOX 304	2004-2008
BOX 304	Jesus College, University of Oxford, Oxford, England, 2010-2014
BOX 304	John D. and Catherine T. MacArthur Foundation, 1996-2001 (2 folders)
BOX 304	Joint Steering Committee for Public Policy, 2006
BOX 304	Journal Club, San Francisco, Calif., 2002
BOX 304	L'Oreal-UnESCO Awards for Women in Science, 2007-2008
BOX 304	Miller Institute for Basic Research in Science, University of California, Berkeley, Calif., 2007-2013
BOX 305	National Academy of Sciences
BOX 305	Annual meetings, 1994-2000 (3 folders)
BOX 305	Award for molecular biology, 1994-2001, 2008 (3 folders)
BOX 305	Committee on Human Rights, 1993-1995
BOX 305	Committee on Science, Technology and Law, 2007-2011
BOX 305	General
BOX 305	1993-1999 (3 folders)
BOX 306	2000-2013 (2 folders)
BOX 306	Section 21, biochemistry
BOX 306	1994-2004 (7 folders)
BOX 306	2006 (1 folder)
BOX 307	2006 (2 folders)
BOX 307	2007
BOX 307	National Cancer Institute, Combined Intramural Principal Investigator Retreat, 2001
BOX 307	National Advisory Council on Aging, United States
BOX 307	Biology of Aging Program, 2005-2006 (3 folders)
BOX 307	General

Organizations File, 1982-2015

Container	Contents
BOX 307	1996-2003
BOX 307	2004 (1 folder)
BOX 308	2004 (1 folder)
BOX 308	2005-2010 (4 folders)
BOX 308	National Institutes of Health, United States
BOX 308	General, 1986, 1992
BOX 308	Genetic epidemiology research in adult health and aging, 2010
BOX 308	Pioneer Awards Program, 2006-2007
BOX 308	National Science Foundation, 1982-1985
BOX 308	President's Council on Bioethics
BOX 308	Background information on stem cell policy, 2003-2004
BOX 309	Firing, 2004 (4 folders)
BOX 309	RNA Club, 1996-1999
BOX 309	Rosalind Franklin Society, 2008-2009
BOX 309	Royal Society, Great Britain, 1992-2014 (2 folders)
BOX 310	Royal Society, Great Britain, 1992-2014 (3 folders)
BOX 310	Royal Society of New South Wales, 2010-2012
BOX 310	Stand Up to Cancer Scientific Advisory Committee, 2008
BOX 310	Stanford University, Stanford, Calif. 2002-2004 (2 folders)
BOX 310	2005, Mar. (2 folders)
BOX 311	2005, Aug.-Oct.
BOX 311	2008-2010 (2 folders)
BOX 311	University of California, San Francisco, Calif., Comprehensive Cancer Center
BOX 311	Breast Cancer SPORE (Specialized Program in Research Excellence) Project
BOX 311	1993-1998 (5 folders)
BOX 312	1999-2000 (7 folders)
BOX 313	2001-2002 (8 folders)
BOX 314	2003-2007 (3 folders)
BOX 314	Cell Cycle Disregulation Committee, 1999-2005
BOX 314	Department of Microbiology and Immunology, cancer research, undated
BOX 314	General, 1994-2000
BOX 314	Grants, 1994-2002
BOX 314	Program Planning Committee, 1999-2000

Organizations File, 1982-2015

Container	Contents
BOX 314	Prostrate Cancer Program, 1999-2001 (2 folders)
BOX 315	Scientific Advisory Council, 2001-2002
BOX 315	University of Texas, MD Anderson Cancer Center, Houston, Tex., 2008-2010 (6 folders)
BOX 315	Walter and Eliza Hall Institute of Medical Research, Melbourne, Australia, 1996-1998, 2007
DF	Walter and Eliza Hall Institute of Medical Research, Melbourne, Australia, annual report, 2008-2009 Digital ID: mss86091_179_315
BOX 316-357	Administrative File, 1971-2015 The Administrative File includes an array of files relating to Blackburn's administrative activities while a professor at the University of California at Berkeley and as a professor and department chair at the University of California at San Francisco. The majority of the files pertain to Blackburn's grants needed to fund her research on telomeres, telomerase, and breast cancer. The bulk of the University of California at San Francisco files pertain to the university's cancer center and document the campus move to Mission Bay. Also present are digital files documenting Blackburn's awards, including the Nobel Prize for Medicine in 2009, media and oral history interviews, and her endeavors as a professor and department chair. Material types include correspondence, memoranda, biographical material, calendars and schedules, patents, artwork for articles and presentations, certificates, programs, business cards, photographs, negatives, digital files, clippings, and printed matter. Arranged alphabetically by name of institution, topic, or type of material and therein alphabetically or chronologically. The file structure of the digital content maintained as received.
BOX 316	Artwork for articles and presentations
BOX 316	1981-2000 (8 folders)
BOX 316	undated (4 folders)
BOX 317	undated <i>See also OV 51, Glass microscopy slides</i> (3 folders)
BOX 317	Awards
BOX 317	1988-1999 (10 folders)
DF	1999, thank you letters, Blackburn receiving the Keop Medical Science Prize, Tokyo, Japan Digital ID: mss86091_179_271
BOX 318	2000-2013 (13 folders)
DF	2001, PowerPoint presentation for Alfred P. Sloan Jr. Prize by the General Motors Cancer Research Foundation Digital ID: mss86091_179_180
DF	2001, PowerPoint presentation for E.B. Wilson Medal Digital ID: mss86091_179_184
DF	2001-2003, biographical sketch, publications list, research summaries, and a curriculum vitae supporting Blackburn's nomination for the Louisa Gross Horwitz Prize in 2001 and 2003. She was awarded the prize in 2007. Digital ID: mss86091_179_225

Administrative File, 1971-2015

Container	Contents
DF	2004, PowerPoint slides for American Society for Cell Biology Public Service Award Digital ID: mss86091_179_051
DF	2004, Photographs and video, presentation ceremony for the Heineken Prizes Digital ID: mss86091_179_352 Digital ID: mss86091_179_353
DF	2005, video, presentation ceremony for Franklin Institute Awards Digital ID: mss86091_179_343
DF	2008, photographs and video files for L'Oreal-UNESCO Award Digital ID: mss86091_179_152 Digital ID: mss86091_179_169
DF	2009, press release and photograph announcing Blackburn as speaker for the Distinguished Lecture Series of India Digital ID: mss86091_179_189
DF	2009, video files and photographs for the ceremony and related activities of Blackburn receiving the Nobel Prize Digital ID: mss86091_179_160 Digital ID: mss86091_179_161 Digital ID: mss86091_179_162 Digital ID: mss86091_179_163 Digital ID: mss86091_179_164 Digital ID: mss86091_179_190 Digital ID: mss86091_179_313
DF	2009, video, convocation ceremony, Memorial University of Newfoundland, Newfoundland and Labrador, Canada (awarded honorary degree and spoke at ceremony) Digital ID: mss86091_179_312
	Biographical file
BOX 318	Articles about Blackburn, 1996-2005
DF	Articles about Blackburn, PDF scans, 1997-2002 Digital ID: mss86091_179_325
BOX 318	Biography by Catherine Brady, 2006
BOX 319	Curriculum vitae and academic record, 1971-1992, 1998 (4 folders)
BOX 319	<i>Encyclopedia of World Biography</i> , 1998
BOX 319	<i>Heroes of Australia Science</i> by Astrid Judge, 2013
BOX 319	Job applications, 1976-1978
BOX 319	University of California, San Francisco, 1995
BOX 319	<i>Who's Who</i> directories, 1997-2000
BOX 319	Business cards and contacts
BOX 319	1983-1998
BOX 320	1999-2002, undated (2 folders)
BOX 320	Calenders and schedules
BOX 320	1982-1995 (2 folders)
BOX 321	1999-2004 (7 folders)
BOX 322	2005-2015 (8 folders)

Administrative File, 1971-2015

Container	Contents
BOX 322	Grants
BOX 322	American Cancer Society, 1990-1991
DF	American Cancer Society, applications of postdoctoral fellows, 2003 Digital ID: mss86091_179_241
BOX 322	Biotechnology, 1996
BOX 322	Breast cancer SPORE (Specialized Program in Research Excellence)
BOX 322	2000-2002 (1 folder)
BOX 323	2000-2002 (1 folder)
BOX 323	2005-2007 (3 folders)
DF	Breast cancer SPORE (Specialized Program in Research Excellence), correspondence, applications, reports and supplemental documents, photographs, and other visual materials, 2001-2002 Digital ID: mss86091_179_214 Digital ID: mss86091_179_224 Digital ID: mss86091_179_228 Digital ID: mss86091_179_241 Digital ID: mss86091_179_242
BOX 323	Bruland, Joan, and David Lane, 1989-1999
BOX 323	Budget updates, 1994-1998 (2 folders)
BOX 323	California Breast Cancer Research Program, 1995-1998 (2 folders)
BOX 324	California Breast Cancer Research Program, 1995-1998 (1 folder)
BOX 324	Candida species and HIV, 1994-1996, 2003 (2 folders)
BOX 324	CaP cure, 1996-2002
BOX 324	CaP cure, 2001-2003, CaP cure, correspondence, applications and supplemental documents, abstracts, photographs, and other visual materials Digital ID: mss86091_179_240 Digital ID: mss86091_179_241
BOX 324	Chen, David, subcontract for Ku telomere maintenance and cellular senescence, 2006 (2 folders)
BOX 325	Chen, David, subcontract for Ku telomere maintenance and cellular senescence, 2006 (1 folder)
BOX 325	Defense Department, breast cancer research, 1994-2003 (4 folders)
BOX 325	Fluorescence-activated cell sorting, 1976-1980 (2 folders)
BOX 325	Genitourinary cancer SPORE (Specialized Program in Research Excellence), 2001-2004 (1 folder)
BOX 326	Genitourinary cancer SPORE (Specialized Program in Research Excellence), 2001-2004 (5 folders)
BOX 327	Genitourinary cancer SPORE (Specialized Program in Research Excellence), 2001-2004 (2 folders)

Administrative File, 1971-2015

Container	Contents
BOX 327	Geron Corp., 1992-1994 (3 folders)
BOX 327	GM2, telomeres
BOX 327	1977-1980 (2 folders)
BOX 328	1981-1998 (6 folders)
DF	1988, telomeres, progress reports
BOX 328	2000-2006 (2 folders)
DF	2002-2003, applications, reports, biographical sketches, and supporting documents Digital ID: mss86091_179_089 Digital ID: mss86091_179_139 Digital ID: mss86091_179_214 Digital ID: mss86091_179_231 Digital ID: mss86091_179_252
BOX 329	2000-2006 (6 folders)
BOX 329	GM3, rDNA amplification and replication in Tetrahymena
BOX 329	1980-1985 (1 folder)
BOX 330	1980-1985 (1 folder)
BOX 330	1986-1993 (5 folders)
DF	1988, research plan summary and biographical sketch Digital ID: mss86091_179_139
BOX 331	1994-1996 (3 folders)
DF	1994, reports, research plans, abstracts, and supporting documents Digital ID: mss86091_179_093 Digital ID: mss86091_179_094 Digital ID: mss86091_179_099
BOX 331	Hecht, Frederick M., U19, health effects of yoga, 2005 (2 folders)
BOX 331	Human Frontier Science Program, 1990-1991
BOX 332	Institute for Neurodegenerative Diseases, San Francisco, Calif., 2000
BOX 332	John D. and Catherine T. MacArthur Foundation, 1984-1991 (2 folders)
DF	John D. and Catherine T. MacArthur Foundation, progress report, 1991 Digital ID: mss86091_179_097
BOX 332	Kirsh Investigator Award, 2000-2003 (2 folders)
BOX 332	Lin, Jue, Chronic stress, age, and impaired telomerase and telomere maintenance in vitro, 2006-2007
BOX 332	Longevity Consortium
BOX 332	1999-2001 (2 folders)

Administrative File, 1971-2015

Container	Contents
BOX 333	2002-2004 (7 folders)
BOX 333	Los Alamos and Livermore joint grant, 1984
BOX 333	Miscellany, 1978-1983 (3 folders)
BOX 334	Miscellany, 2002, undated
DF	Miscellany, applications, correspondence, biographical sketches, and other supplemental documents and files relating to the transfer of grants and equipment from University of California, Berkeley to University of California, San Francisco, 1987-1990, 2001-2003 Digital ID: mss86091_179_136 Digital ID: mss86091_179_139 Digital ID: mss86091_179_227 Digital ID: mss86091_179_241 Digital ID: mss86091_179_242
BOX 334	National Cancer Institute, Bethesda, Md.
BOX 334	2001 (2 folders)
BOX 334	2002 (1 folder)
BOX 335	2002 (1 folder)
BOX 335	2003-2005
DF	2001-2003 National Cancer Institute, Bethesda, Md., correspondence, applications, research proposal, visual materials, biographical sketches, and other supplemental documents Digital ID: mss86091_179_222 Digital ID: mss86091_179_223 Digital ID: mss86091_179_226 Digital ID: mss86091_179_228 Digital ID: mss86091_179_240 Digital ID: mss86091_179_241 Digital ID: mss86091_179_242
BOX 335	National Institutes of Health, Bethesda, Md., 1978-1983
DF	National Institutes of Health, correspondence, reports, research plans, biographical sketches, and supplemental documents, 1987-1988 , 2001-2003 Digital ID: mss86091_179_136 Digital ID: mss86091_179_139 Digital ID: mss86091_179_221 Digital ID: mss86091_179_244
BOX 335	Oncology, 1998-1999
BOX 335	Ovarian cancer, 2009-2011 (2 folders)
BOX 335	Prostate cancer
BOX 335	1998-2000
BOX 336	2001-2002
DF	Prostate cancer, applications, photographs, visual material, and supplemental documents, 2000-2002 Digital ID: mss86091_179_214 Digital ID: mss86091_179_228

Administrative File, 1971-2015

Container	Contents
BOX 336	Shared equipment grants, 1992, 2001-2006 (2 folders)
BOX 336	Training, 1987
BOX 336	Unfunded, 1998-2001 (2 folders)
BOX 336	United States-Israel Binational Science Foundation, 1999-2003 (2 folders)
BOX 336	Letters of recommendation
BOX 336	A-Ba, 1998-2008
BOX 337	Be-Fu, 1994-2010 (4 folders)
BOX 338	Ga-Ka, 1996-2009 (5 folders)
DF	Ga-Ka, letters of recommendation for Geoffrey Kapler, 1995, 1999 Digital ID: mss86091_179_262
BOX 339	Ke-Mi, 1995-2009 (4 folders)
DF	Ke-Mi, letter of recommendation for Michael J. McEachern, 1994 Digital ID: mss86091_179_328
BOX 340	Mo-Ri, 1979-2011 (4 folders)
DF	Mo-Ri, letter of recommendation for Danesh Moazed, his curriculum vitae, scans of publications, and documentation about his research, 2005 Digital ID: mss86091_179_327 Digital ID: mss86091_179_328
DF	Mo-Ri, letters of recommendation for Isabel Reichardt, 1996-1999 Digital ID: mss86091_179_328
DF	Mo-Ri, letter of recommendation for Melanie Ott, scans of Ott's publications, 2011 Digital ID: mss86091_179_270
BOX 341	Ro-Zh, 1991-2012 (4 folders)
DF	Ro-Zh, letter of recommendation and related documents nominating Zena Werb for the E.B. Wilson Medal, 2006 Digital ID: mss86091_179_236
DF	Various individuals, letters of recommendation and related documents, such as curriculum vitae, 1987-1995, 2003-2006 Digital ID: mss86091_179_137 Digital ID: mss86091_179_235
BOX 342	Media
BOX 342	Chronological file
BOX 342	1990-2001 (11 folders)
BOX 342	2002, Jan.-Feb.
BOX 343	2002, Mar.-Dec. (2 folders)
BOX 343	2003-2005 (7 folders)

Administrative File, 1971-2015

Container	Contents
DF	2003-2005, oral history interview with Blackburn discussing her experience at Cold Spring Harbor symposiums and Barbara McClintock (interviewed in 2000 but project not completed until 2003), video Digital ID: mss86091_179_406
DF	2003-2012, videos, sound recordings, a movie, and text files of media and oral history interviews of Blackburn Digital ID: mss86091_179_055 Digital ID: mss86091_179_056 Digital ID: mss86091_179_068 Digital ID: mss86091_179_075 Digital ID: mss86091_179_076 Digital ID: mss86091_179_077 Digital ID: mss86091_179_085 Digital ID: mss86091_179_170 Digital ID: mss86091_179_398
BOX 343	2006, Jan.-Sept. (3 folders)
BOX 344	2006, Oct.-Nov.
BOX 344	2007-2014 (10 folders)
BOX 345	Miscellany, 1993-2001
BOX 345	Negatives, 2000
BOX 345	Science media inquiries, 1998-2002
BOX 345	Telomeres and telomerase, 1988-2002 (2 folders)
BOX 345	Patents, therapy and diagnosis of conditions related to telomere length and/or telomerase activity
BOX 345	1983-1992
BOX 345	1993 (1 folder)
BOX 346	1993 (2 folders)
BOX 346	1994 (2 folders)
BOX 347	1995-1996 (4 folders)
BOX 348	1997-2000 (2 folders)
BOX 348	Salk Institute for Biological Studies, La Jolla, Calif., 2004-2013 (2 folders)
BOX 348	University of California at Berkeley
BOX 348	Animal welfare, 1985-1988
BOX 348	Biosafety, memoranda of understandings, 1977-1986
BOX 348	Evaluations, 1979-1989 (2 folders)
BOX 348	General, 1978-1991 (1 folder)

Administrative File, 1971-2015

Container	Contents
BOX 349	General, 1978-1991 (1 folder)
BOX 349	Gordon Conference on Nucleic Acids, Laconia, N.H., 1983-1986
BOX 349	Radiation safety, 1971-1991 (2 folders)
BOX 349	Sabbatical leave, 1987-1989
BOX 349	Safety, 1979-1980
BOX 349	Space and building, 1978-1979
BOX 349	Thesis committees, 1979-1988
BOX 349	University of California at San Francisco
BOX 349	Academic Implementation Committee for Mission Bay campus, 1997-2000 (3 folders)
BOX 349	AIDS Clinical Research Center, San Francisco, Calif., site visit, 1994
BOX 350	Biochemistry and Biophysics Department
BOX 350	Biochemistry and Molecular Biology, 1996-1999
BOX 350	General, 1992-2006 (3 folders)
BOX 350	Biomedical Science Graduate Program, 1997-2002
BOX 351	Boyer Fund Finance Committee, 2005
BOX 351	Cancer Center
BOX 351	General, 1997-2002
BOX 351	Research building, space review
BOX 351	2001-2002 (5 folders)
BOX 351	2003 (1 folder)
BOX 352	2003 (2 folders)
BOX 352	Cell Biology Program, 1996-1998
BOX 352	Cell culture facility charges, 2010-2011
BOX 352	Compound requests, 1990-1998
BOX 352	Emeritus status, 2014-2015
BOX 352	Dean's Executive Committee, 1994
BOX 352	Dental School Basic Science Coordinating Committee, 1990-1994
BOX 352	Fellows, 2002
BOX 352	General, 1993
DF	General, disclosure reports of Blackburn's outside activities, 2002 Digital ID: mss86091_179_221
DF	General, spreadsheet of faculty and staff and description of Blackburn's administrative assistant, Maura Clancy, 2006 Digital ID: mss86091_179_236
BOX 352	Human Genetics Program, 1990-1995
BOX 352	Invitations to apply for positions, 1987-2004
BOX 352	Laboratory stock, 1990-1998 (1 folder)
BOX 353	Laboratory stock, 1990-1998 (1 folder)

Administrative File, 1971-2015

Container	Contents
BOX 353	Long Range Development Plan Oversight Committee, 2010
BOX 353	Medical Science Training Program, 1999-2001
BOX 353	Microbiology and Immunology Department, 1993-1999 (2 folders)
DF	Microbiology and Immunology Department, video, Blackburn speaks twice praising the awarding of a UCSF medal to Brook Byers, 2007 Digital ID: mss86091_179_149
DF	Microbiology and Immunology Department, photographs documenting Blackburn's attendance at the baccalaureate and masters graduation for the Department of Biology, 2008 Digital ID: mss86091_179_150
DF	Microbiology and Immunology Department, video documenting Blackburn's attendance at the baccalaureate and masters graduation for the Department of Biology, 2008 Digital ID: mss86091_179_151
BOX 353	Miscellany, 1999, 2009-2010, undated
DF	Miscellany, PowerPoint slide of biographical material relating to Helmut J. Schmidt and Blackburn, including Schmidt's work in Blackburn's lab, 2010 Digital ID: mss86091_179_323
BOX 353	Mission Bay campus move
BOX 353	Biochemistry Department, 2000-2002
BOX 353	Building 24, 1999-2000
BOX 353	Building Committee, 1998
BOX 353	Building occupancy guide, Genetech Hall, 2002
BOX 353	Coordination of move, 2001-2002
BOX 353	Equipment meetings, 2001-2002
BOX 354	General, 1998-2003
BOX 354	Laboratory of Blackburn, 2001-2002 (2 folders)
BOX 354	Media, 1999-2003
BOX 354	Offices of Blackburn, 2000-2003
BOX 354	Phase I, 1999
BOX 354	Public Affairs Committee, 1998
BOX 354	Space meeting, 2000
BOX 354	Task force, 1996-1999 (1 folder)
BOX 355	Task force, 1996-1999 (3 folders)
BOX 355	Program in Biological Science (PIBS)
BOX 355	Executive Committee Enhancing Graduate Education, 1995
BOX 355	General, 1990-2004 (3 folders)
DF	General, slides for talk, 2002 Digital ID: mss86091_179_214
BOX 356	General, 1990-2004 (1 folder)
BOX 356	Journal club, evaluations, 1996-1999
BOX 356	Tetrad Program, 1998-2002
BOX 356	Qualifying examinations, 1992-2005

Administrative File, 1971-2015

Container	Contents
BOX 356	Radioactive waste disposal charges, 2012-2013
BOX 356	School of Medicine meeting, 2006
BOX 356	Search committees, 1998
DF	Search committees, correspondence, memoranda, applicant lists, schedule, evaluation of candidates, seminar posters of candidates, and job announcement, 1992-1993 Digital ID: mss86091_179_263 Digital ID: mss86091_179_264
BOX 356	Strategic planning, 2006-2007 (4 folders)
BOX 356	Summer Research Training Program, 1999
BOX 356	Surgery Department, 2004-2006
BOX 356	Thesis committees
BOX 356	1991-2007 (1 folder)
BOX 357	1991-2007 (2 folders)
BOX 357	2014
BOX 357	Women in life sciences, 1993-1997
BOX 357	Women, status of, 1994-2000
BOX 357	Women's Triad Project in Science Education, 1994-1995
BOX 357	Yale University, New Haven, Conn., 1975-1976

BOX 357-365

Scientific Topic File, 1972-2010

The Scientific Topic File features an array of research topics of interest to Blackburn.

This series complements the [Research File and Notes](#) series. Subjects treated are RNA, telomerase, telomeres, and Tetrahymena.

Types of material include correspondence, email, notes, articles, charts, and printed matter. Arranged alphabetically by name of person or topic.

BOX 357	Aging
BOX 357	Baltimore Longitudinal Study of Aging, 1998-2003
BOX 357	General, 1995-2001
BOX 357	Anaphase, completion of, 1990-2000
BOX 358	Cell cycle controls, 1992-1995
BOX 358	Cloning, animals, 1999-2000
BOX 358	DNA polymerase, structure and function, 1976-1999
BOX 358	DNA yeast structural interactions, 1995
BOX 358	Double-strand breaks, responses, 1981-2002 (2 folders)
BOX 358	Drug strategies, 1983, 1997-2000
BOX 358	Expression, endogenous, 1998
BOX 358	G strand overhangs of chromosomes, 1997-1999
BOX 358	Gene therapy methods, 1996-2003
BOX 358	Helicases, 1999-2001
BOX 358	Hepatitis B, reverse transcription and RNA binding, 1990-1997
BOX 358	Hiraoka, Yasushi, Rap1 protein, 2001
BOX 358	Human artificial chromosomes, 1997-1998
BOX 358	Imprinting, 2002

Scientific Topic File, 1972-2010

Container	Contents
BOX 359	In vivo expression, crisis, 1996, 1998
BOX 359	Ku, 1993-2002 (2 folders)
BOX 359	Mammalian primary culture senescence, 1978, 1992-1998
BOX 359	Melanoma, 2000-2001
BOX 359	Mre11, Xrs2, Rad50, and NBS1, 1997-2002
BOX 359	P53 tumor suppressor gene, 1998-2002 (2 folders)
BOX 359	Phylogenetic analysis, 1986-1999
BOX 359	Polymerase fidelity, 1991-1994
BOX 359	Proteasome N-end rule, 1997-1998
BOX 359	Proteasome ubiquitin-mediated processing, 1995-1999
BOX 359	Q-fish, 1997, 2001
BOX 359	Reverse transcriptase structural studies, 1992-1997 (1 folder)
BOX 360	Reverse transcriptase structural studies, 1992-1997 (1 folder)
BOX 360	RNA
BOX 360	Dependent polymerase, 1994-1995
BOX 360	Group II reverse transcriptions, 1997-1999
BOX 360	Stability, 1989-1995
BOX 360	Structure, 1993-2001
BOX 360	Rubin, Harry, 2001
BOX 360	Self-organizing biological systems, 1998, 2000
BOX 360	Telomerase
BOX 360	Assays, 1989, 1996-1997
BOX 360	B and T cells, 1995-2000 (2 folders)
BOX 360	Diagnostics and Prognostics, 1997-2005
BOX 360	Exonucleases, 1994
BOX 361	Human, 1989, 1998-2001 (2 folders)
BOX 361	Hypotrich, 1986-2003 (3 folders)
BOX 361	Kinetics, 1981, 1987-1998 (2 folders)
BOX 362	Kinetics, 1981, 1987-1998 (2 folders)
BOX 362	Mammalian proteins, 1997-2006 (2 folders)
BOX 362	Mammalian RNA gene, 1995-2005
BOX 362	Mutant TER expression, 1997
BOX 362	Reviews, 1983, 1990-2004 (2 folders)
BOX 363	RNA structure and function, 1989-2004 (3 folders)
BOX 363	Terminal transference, 1974-1987

Scientific Topic File, 1972-2010

Container	Contents
BOX 363	Tetrahymena
BOX 363	Enzyme reconstruction, 1998-2001 (2 folders)
BOX 363	General, 1998-2001 (2 folders)
BOX 364	General, 1998-2001 (1 folder)
BOX 364	Telomeres
BOX 364	Aging, 1972, 1986-1993
BOX 364	Human and mouse, 1994-2001
BOX 364	Human healing, 1991-1993, 2000
BOX 364	Human telomeres and non-cancer diseases, 1999-2002
BOX 364	Mice deviations and lifespan, 1990-2000, 2004
BOX 364	Poly ADP ribose polymerase (PARP), 1999-2001
BOX 364	Pot1 protein, 1990, 1997-2004
BOX 364	Responses to unclipping, 1995-2002
BOX 364	Retro elements, 1992-1999
BOX 364	T-loops, 1999-2000
BOX 364	Vertebrate structure and nuclear organization, 1988-2000 (1 folder)
BOX 365	Vertebrate structure and nuclear organization, 1988-2000 (1 folder)
BOX 365	Yeast recombination events, 1998-2001
BOX 365	Tetrahymena, RNA structure probing and oligos, 1988-2001 (2 folders)
BOX 365	Varshavsky, Alexander, 2005-2010 (2 folders)
BOX 365	Vaults, 1986-2001
BOX 365	Weinstein, I. Bernard, 2002
BOX 365	Wuttke, Deborah S., 1999-2003 (2 folders)
BOX 366-403	Travel File, 1992-2014 The Travel File consists chiefly of correspondence and memoranda about travel arrangements, travel itineraries and schedules, notes, and background material pertaining to professional conferences and advisory board meetings. The majority of the series chronicles Blackburn's travels from 1999 to 2014. Also included in the series are arrangements for local meetings and telephone conference calls in which she participated. Material types include correspondence, memoranda, itineraries, programs, reports, notes, background material, digital files, and printed matter. Arranged chronologically by date of travel or date of meeting. The file structure of the digital content maintained as received.
BOX 366	1992-1996 (3 folders)
BOX 366	1997, Jan.-June (3 folders)
BOX 366	1997, Aug. (1 folder)

Travel File, 1992-2014

Container	Contents
BOX 367	1997, Aug. (1 folder)
BOX 367	1997, Sept.-1998, Feb.
BOX 367	1998, Mar.-July (4 folders)
BOX 367	1998, Aug. (1 folder)
BOX 368	1998, Aug. (1 folder)
BOX 368	1998, Sept.-Nov. (4 folders)
BOX 368	1999, Jan.
BOX 368	1999, Feb. (1 folder)
BOX 369	1999, Feb. (2 folders)
BOX 369	1999, Mar. (5 folders)
BOX 370	1999, Apr.-Sept. (5 folders)
BOX 370	1999, Oct. (3 folders)
BOX 371	1999, Oct. (5 folders)
BOX 371	1999, Nov. (2 folders)
BOX 372	1999, Nov. (2 folders)
BOX 372	1999, Dec.-2000, Jan.
BOX 372	2000, Feb.-Apr. (4 folders)
BOX 373	2000, May-Oct. (7 folders)
BOX 374	2000, Nov.-Dec. (3 folders)
BOX 374	2001, Jan.-Mar. (6 folders)
BOX 375	2001, Apr.-Oct. (7 folders)
BOX 375	2001, Nov. (1 folder)
BOX 376	2001, Nov. (1 folder)
BOX 376	2001, Dec.
BOX 376	2002, Jan.-Mar. (5 folders)
BOX 376	2002, Apr. (1 folder)

Travel File, 1992-2014

Container	Contents
BOX 377	2002, Apr. (3 folders)
BOX 377	2002, May-Oct. (6 folders)
BOX 378	2002, Nov.-Dec. (5 folders)
BOX 378	2003, Jan.-Mar. (2 folders)
BOX 379	2003, Apr.-July (7 folders)
BOX 380	2003, Aug.-Dec. (6 folders)
BOX 380	2004, Jan.
BOX 381	2004, Feb.-Apr. (5 folders)
DF	2004, General Motors Cancer Research Award, applications, bibliographies, contributions, and related documents for selecting award recipients Digital ID: mss86091_179_344
BOX 381	2004, May (2 folders)
DF	2004, Grossman lecture, slides and visual materials Digital ID: mss86091_179_354
BOX 382	2004, May (1 folder)
BOX 382	2004, June-Sept. (6 folders)
BOX 383	2004, Oct. (6 folders)
DF	2004, Oct. 18, Speech, Institute of Medicine (now the National Academy of Medicine), PowerPoint presentations Digital ID: mss86091_179_348
DF	2004, Sept., photographs and video, presentation ceremony for the Heineken Prizes Digital ID: mss86091_179_352 Digital ID: mss86091_179_353
BOX 384	2004, Nov.-Dec. (4 folders)
DF	2004, Dec., 27th Annual Charles A. Coltman Jr. San Antonio Breast Cancer Symposium An Interactive Compendium of Presentations and Abstracts, video Digital ID: mss86091_179_349 Digital ID: mss86091_179_350
BOX 384	2005, Jan.-Feb. (2 folders)
BOX 384	2005, Mar. (1 folder)
BOX 385	2005, Mar. (2 folders)
BOX 385	2005, Apr. (3 folders)

Travel File, 1992-2014

Container	Contents
DF	2005, Apr, video, presentation ceremony, Franklin Institute Awards Digital ID: mss86091_179_343
BOX 386	2005, Apr. (2 folders)
BOX 386	2005, May-June (3 folders)
BOX 386	2005, July (1 folder)
BOX 387	2005, July (1 folder)
BOX 387	2005, Aug.-Dec. (5 folders)
BOX 388	2006, Jan.-Mar. (5 folders)
BOX 388	2006, Apr. (1 folder)
BOX 389	2006, Apr. (2 folders)
BOX 389	2006, May-Aug. (3 folders)
BOX 389	2006, Sept. (2 folders)
BOX 390	2006, Sept. (1 folder)
BOX 390	2006, Oct.-Dec. (6 folders)
BOX 391	2007, Jan.-Mar. (7 folders)
BOX 392	2007, Apr.-June (8 folders)
BOX 393	2007, July-Dec. (5 folders)
BOX 393	2008, Jan.
BOX 393	2008, Feb. (1 folder)
BOX 394	2008, Feb. (1 folder)
BOX 394	2008, Mar.-May (5 folders)
BOX 395	2008, June-Dec. (6 folders)
DF	2008, lecture for Heidelberg, Germany, Forum for Bioscience and Society, Universität Heidelberg, photographs Digital ID: mss86091_179_347
BOX 395	2009, Jan.
BOX 396	2009, Feb.-July (7 folders)

Travel File, 1992-2014

Container	Contents
BOX 397	2009, Aug.-Dec. (3 folders)
BOX 397	2010, Jan.-Mar. (4 folders)
DF	2010, Australian National University, Canberra, Australia, talks, images, and video Digital ID: mss86091_179_345
BOX 398	2010, Apr.-Dec. (5 folders)
BOX 398	2011, Jan. (2 folders)
BOX 399	2011, Feb.-Sept. (9 folders)
BOX 400	2011, Oct.-Dec. (2 folders)
BOX 400	2012, Jan.-July (6 folders)
BOX 401	2012, Aug.-Dec. (6 folders)
BOX 401	2013, Jan.-Apr. (4 folders)
BOX 402	2013, May-Dec. (5 folders)
BOX 402	2014, Jan.-June (4 folders)
BOX 403	2014, July-Oct.
BOX 403-408	Slides and Visual Materials, 1979-2014 The Slides and Visual Materials series contains slides, negatives, photographs and other visual material documenting the research findings of Blackburn and her collaborators. A few notes and charts are filed with some of the slides in the analog portion of the series. Material types include slides, negatives, notes, charts, and digital files. Arranged by type of material and therein alphabetically by name of person or topic. The file content of the digital content maintained as received.
DF	Digital files
DF	Images of Blackburn and others, 2001-2014 Digital ID: mss86091_179_084 Digital ID: mss86091_179_087 Digital ID: mss86091_179_088 Digital ID: mss86091_179_156 Digital ID: mss86091_179_190 Digital ID: mss86091_179_299 Digital ID: mss86091_179_313 Digital ID: mss86091_179_345 Digital ID: mss86091_179_352 Digital ID: mss86091_179_354 Digital ID: mss86091_179_357

Slides and Visual Materials, 1979-2014

Container

Contents

	Photographs of Blackburn and others documenting her receipt of awards, speeches, and travel. Digital ID 156 includes personal photographs of Chris Smith including images of New York, N.Y., after the Sept. 11 terrorists attacks in 2001.
DF	Images relating to research, 1998-2008
	Digital ID: mss86091_179_004
	Digital ID: mss86091_179_007
	Digital ID: mss86091_179_008
	Digital ID: mss86091_179_012
	Digital ID: mss86091_179_013
	Digital ID: mss86091_179_014
	Digital ID: mss86091_179_015
	Digital ID: mss86091_179_016
	Digital ID: mss86091_179_023
	Digital ID: mss86091_179_062
	Digital ID: mss86091_179_074
	Digital ID: mss86091_179_141
	Digital ID: mss86091_179_213
	Digital ID: mss86091_179_237
	Photographs, slides, spreadsheets and metadata for images, and other visual material created by Blackburn's collaborators relating to their research.
BOX 403	Negatives
BOX 403	Blackburn, Elizabeth H., 1979-1985 (5 folders)
BOX 403	Greider, Carol W., 1985-1987
BOX 403	Students
BOX 403	General, 1983-1987 (4 folders)
BOX 404	General, 1983-1987 (2 folders)
BOX 404	Ware, Tracy, 1998
BOX 404	Unidentified, undated (3 folders)
BOX 404	Slides
BOX 404	Chromosomes and lectures, 1979-1980
BOX 404	Cloning yeast telomeres, trypanosome telomeres, and VSG gene, undated
BOX 404	"Conj. and dev. Tet," 1970, 1980
BOX 404	Early slides, 1991 (2 folders)
BOX 404	General background telomeres, telomerase, and laboratory people, 1980-1987, 1996
BOX 404	HVSC07.001.002, KC sect, 1980, undated
BOX 404	Laboratory group, 1999, undated
BOX 404	Lectures, undated
BOX 404	Life without telomerase and telomerase inhibition, undated
BOX 404	Miscellaneous, 1990-2001, undated (1 folder)
BOX 405	Miscellaneous, 1990-2001, undated (3 folders)
BOX 405	Mutant telomerase RNA, 1989

Slides and Visual Materials, 1979-2014

Container

Contents

BOX 405	National Institutes of Health, Bethesda, Md., peer review, 1996
BOX 405	Ps ² and Ps ³ K. lactis third streak, undated
BOX 405	PTER3, undated
BOX 405	PTER4, 1989
BOX 405	PTER5, undated
BOX 405	rDNA replication rmm mutants in Tetrahymena, 1987, undated
BOX 405	rmm mutants, 1987
BOX 405	rmm mutants and rDNA replication trmm mutants, 1987
BOX 405	SB2120 prTr6 #0-2, in culture, 1989
BOX 405	Students
BOX 405	General, 1996-1998
BOX 405	Wang, He, 1992, undated
BOX 406	TC assays, undated
BOX 406	Telomerase, 1987
BOX 406	Telomerase and telomeres DNA, 1987
BOX 406	Telomerases RNAs euplotes template in vitro, 1983-1989
BOX 406	Telomere length repetition and nuclease sensitivity, 1984-1987
BOX 406	Telomeres
BOX 406	General, undated
BOX 406	Structure, old slides, undated
BOX 406	Tetrahymena mating slides, 1977
BOX 406	Tetrahymena telomerase mechanism in vitro primers, undated
BOX 406	Tetrahymena telomerase RNA mutants, undated
BOX 406	Unidentified
BOX 406	Binder 1, 1979-1992
	(4 folders)
BOX 406	Binder 2, 1980-1998
	(2 folders)
BOX 406	Binder 3, 1992
	(1 folder)
BOX 407	Binder 3, 1992
	(1 folder)
BOX 407	Binder 4, undated
	(2 folders)
BOX 407	General, 1974-2004
	(5 folders)
BOX 408	General, 1974-2004
	(1 folder)
BOX 408	Yeast telomerase in vitro, undated
BOX 408	Yeasts telomeric sequences and length regulation, undated

DF

Digital Backups, 1980-2010

The Digital Backups series comprises various files and directories copied mainly from Blackburn's computers, although they also include those of her assistant, Maura Clancy, and computers used by fellows and others working in Blackburn's laboratory. The Backup Folders relate to her teaching and research endeavors as a professor at the University of California, Berkeley and as a professor and department chair at the University of California, San Francisco. The files include correspondence, PowerPoint presentations for

Digital Backups, 1980-2010

Container

Contents

speeches, abstracts and drafts of articles, reviews of articles for journals, grant proposals and related material, teaching files, and administrative files documenting Blackburn's activities as a professor and department chair.

Material types are digital files comprised of correspondence, memoranda, lecture notes, PowerPoint presentations, abstracts of articles, reviews of articles, drafts of articles and other writings, grant files, teaching files, biographical material, curriculum vitae, photographs, charts, and visual materials.

Listed by digital ID number, with the file structure of the digital content maintained as received.

DF

Digital files, 1987-2004

Digital ID: mss86091_179_061

Digital ID: mss86091_179_063

Digital ID: mss86091_179_072

Digital ID: mss86091_179_073

Digital ID: mss86091_179_112

Digital ID: mss86091_179_113

Digital ID: mss86091_179_114

Digital ID: mss86091_179_115

Digital ID: mss86091_179_116

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Digital ID: mss86091_179_118

Digital ID: mss86091_179_119

Digital ID: mss86091_179_120

Digital ID: mss86091_179_121

Digital ID: mss86091_179_122

Digital ID: mss86091_179_125

Digital ID: mss86091_179_126

Digital ID: mss86091_179_127

Digital ID: mss86091_179_128

Digital ID: mss86091_179_129

Digital ID: mss86091_179_130

Digital ID: mss86091_179_183

Digital ID: mss86091_179_201

Digital ID: mss86091_179_202

Digital ID: mss86091_179_203

Digital ID: mss86091_179_230

Digital ID: mss86091_179_256

Digital ID: mss86091_179_356

Digital ID: mss86091_179_358

BOX OV 1-OV 47

Autoradiograph Film, 1983-2004

The Autoradiograph Film series comprises chiefly x-ray films that complement several of the notebooks in the [Laboratory Notebooks](#) series. Files of three collaborators, Marita Cohn, David Gilley, and Michael J. McEachern, consist only of autoradiograph films with no corresponding notebooks. Many of the films are annotated and have notes affixed to them. Material types include x-ray films and notes.

Arranged chronologically according to the laboratory notebooks of collaborator to which they relate.

BOX OV 1

1983-1987, Elizabeth Spangler, gels, nos. 1-40

Autoradiograph Film, 1983-2004

Container	Contents
BOX OV 2	1983-1987, Elizabeth Spangler, gels, nos. 41 →
BOX OV 3	1983-1987, Elizabeth Spangler, gels and IES paper
BOX OV 4	1987-1995, Philip Cohen, rotation, IES, and gels, nos. 1-47
BOX OV 5	1987-1995, Philip Cohen, gels, nos. 48-85
BOX OV 6	1987-1995, Philip Cohen, IES P1, IES 2, and TBP 25
BOX OV 7	1987-1995, Philip Cohen, nos. 6165, 3058, and 5472
BOX OV 8	1988-1993, Margaret S. Lee, telomerase
BOX OV 9	1988-1993, Margaret S. Lee, telomerase
BOX OV 10	1989-1998, Cathy Strahl, JY blots and JurKat blots (H527 blots) (in vivo)
BOX OV 11	1989-1998, Cathy Strahl, JY telomerase and JurKat and David Tobin's candida rotation
BOX OV 12	1989-1998, Cathy Strahl, CBTA, Tetrahymena analogs in vitro and southern
BOX OV 13	1989-1998, Cathy Strahl, date, who, how much, total used, and related material
BOX OV 14	1990-1993, Pan Weijun, sequential files
BOX OV 15	1990-1993, Pan Weijun, sequential files
BOX OV 16	1990-1996, Renata Gallagher, gels with data boxes, nos. 14-17
BOX OV 17	1990-1996, Renata Gallagher, gels with data boxes, nos. 14-17
BOX OV 18	1990-1996, Renata Gallagher, gels with data boxes, nos. 14-17
BOX OV 19	1990-1996, Renata Gallagher, gels with data boxes, nos. 14-17
BOX OV 20	1990-1996, Renata Gallagher, XAR-5 footprint gels 1093 → 5195 with data boxes, nos. 14-17
BOX OV 21	1992-1995, Marita Cohn, telomerase (film only)
BOX OV 22	1992-1995, Marita Cohn, telomerase (film only)
BOX OV 23	1992-1995, Marita Cohn, gels used for publication (film only)
BOX OV 24	1992-1998, David Gilley, data in embo, 98, 17, 1152 (film only)
BOX OV 25	1992-1998, David Gilley, denova TA, data II in embo 17, 1152, data file II final x-rays, DPIIX, and DP2 (film only)
BOX OV 26	1992-1998, David Gilley, data in embo, 16, 866, and DMS work (film only)
BOX OV 27	1993-1998, John Prescott, yeast telomerase, structure and function
BOX OV 28	1993-1998, John Prescott, blots
BOX OV 29	1993-1998, Tracy Ware, sequencing and telomerase assays
BOX OV 30	1994-2000, Tracy Fulton, telomerase activity in yeast kluyveromyces lactics ("notch in upper right means emulsion facing bio max")
BOX OV 31	1994-2000, Tracy Fulton, telomerase activity in yeast kluyveromyces lactics
BOX OV 32	1994-2000, Tracy Fulton, telomerase activity in yeast kluyveromyces lactics
BOX OV 33	1995-1999, Erica Orr, candida
BOX OV 34	1995-1999, Erica Orr, candida
BOX OV 35	1995-1999, Erica Orr, candida
BOX OV 36	1995-1999, Erica Orr, candida
BOX OV 37	1995-1999, Erica Orr, "until trap started to work"
BOX OV 38	1995-1999, Erica Orr, candida
BOX OV 39	1995-1999, Erica Orr, candida, figures 7 through 8
BOX OV 40	1995-1999, Erica Orr, gels
BOX OV 41	1995-2000, Jagoree Roy, blots
BOX OV 42	1995-2000, Jagoree Roy, sequencing southern
BOX OV 43	1995-2003, Melissa Rivera, human telomerase template mutations on breast cancer cells
BOX OV 44	1997-2002, Moses Kim, interference with telomeres to treat breast cancer
BOX OV 45	1998-2004, Shivani Nautiyal, telomere maintenance in saccharoyces cerevisiae
BOX OV 46	1998-2004, Shivani Nautiyal, telomere maintenance in saccharoyces cerevisiae

Autoradiograph Film, 1983-2004

Container	Contents
BOX OV 47	circa 2000, Michael J. McEachern, 4583 (film only)
BOX OV 1-OV 51	Oversize, 1970-1988 The Oversize series is made up mainly of autoradiograph films and card files. The card files include notes of bibliographic citations and notes about Blackburn's research. A group of autoradiograph films that complements the Laboratory Notebooks series was maintained as a separate file and is described in the Autoradiograph Film series. Material types include autoradiograph films, film negatives, figures, glass slides, notes, and note cards. Listed and described according to the series, containers, and folders from which the material was separated. The items are physically grouped and housed by size.
BOX OV 1-OV 47	Autoradiograph Film, See Autoradiograph Film series Laboratory Notebooks Blackburn, Elizabeth H., and collaborators
BOX OV 48	Film negatives relating to rDNA structure, 1980 (Container 8, 1979-1980, rDNA structure)
BOX OV 48	Autoradiograph films relating to Tetrahymena and yeast linear plasmids and rDNA preparation, 1980-1983, (Container 11, Tetrahymena restriction of whole macronuclei) Students, postdoctoral researchers, and technicians
BOX OV 48	Autoradiograph films and figures about telomeric sequences in Tetrahymena yeast, 1981-1987, (Container 18, 1981-1987, Janis Shampay, Vols. 1-7)
BOX OV 48	Autoradiograph films about RNA primer, 1987-1995, (Container 30, 1987-1995, Philip Cohen, Vol. 14)
BOX OV 48	Autoradiograph films about telomerase RNA gene presence in Tetrahymena, 1989 (Container 36, 1989, Laura Atardi)
BOX OV 48	Film negatives, CS TRAP, 1995-1996, (container 40, 1989-1998, Cathy Strahl, Vol. 17)
BOX OV 48	Figures, undated(container 40, 1989-1998, Cathy Strahl, Vol. 22)
BOX OV 48	Autoradiograph films about methylation condition and telomerase, 1994-1998 (container 59, 1994-1998, H. Joe Wang, Vol. 8)
BOX OV 48	Autoradiograph films about telomerase, 1994-1998 (container 59, 1994-1998, H. Joe Wang, Vol. 9)
	Research File and Notes
BOX OV 49	Card file, 1970-1984
BOX OV 50	Card file, 1973-1985
	Administrative File
BOX OV 51	Glass microscopy slides of mice tumors, undated (Container 317, Artwork for articles and presentations, folder 7 of 7)