

**MEDICAL CENTER ARCHIVES
OF
NEWYORK-PRESBYTERIAN/WEILL CORNELL**

**1300 York Avenue #34
New York, NY 10065**

**Finding Aid to the
ANNA-RIITTA FUCHS, SCD (1926-2014) PAPERS**

**Dates of Papers:
1960-2007**

**294 Linear Inches
(17 Boxes)**

**Finding Aid Prepared By:
Elizabeth Shepard
Associate Archivist
April 2016**

PROVENANCE:

The Fuchs family donated these papers on June 11, 2015 and 8/3/2015.

ADMINISTRATIVE/BIOGRAPHICAL NOTE:

Anna-Riitta Fuchs was a renowned scientist in the field of reproductive medicine. She was born in Finland in 1926. In 1948, she was married to Fritz Fuchs, who was also a pioneer in the field of reproductive medicine. She earned a BS in 1949 and a MS in Chemistry in 1950 from the University of Helsinki, Finland and a Doctor of Science from the University of Copenhagen, Denmark in 1978. Both Drs. Fuchs had fellowships in the Department of Embryology at the Carnegie Institution of Washington in Baltimore in 1950-1951. From 1952-1965, she had various research positions in Copenhagen including adjunct assistant professor of reproductive physiology at the University of Copenhagen. She and her husband immigrated to America in 1965 when Fritz Fuchs was appointed the chair of Cornell University Medical College Department of OB/GYN. She worked as a scientist for the Population Council at the Rockefeller University from 1965-1976. In 1971, she joined the faculty of Cornell University Medical College as research assistant professor. She rose to professor in 1986.

Both Drs Fuchs were pioneers in the field of reproductive medicine. Their most important scientific discovery was the use of alcohol to reduce premature labor. While at the Population Council in the 1960s, she discovered that the hormone oxytocin was blocked by the use of alcohol in rabbits. They developed a treatment using alcohol to prevent premature labor in humans.

She was active in many professional activities including the New York Academy of Science, Association for Women in Science, and the New York City Commission on the Status of Women.

She passed away in 2014.

BIBLIOGRAPHY:

See Biography File in these papers
See Fritz Fuchs Biography File in Biography Vertical Files

SCOPE AND CONTENT NOTE:

The Anna-Riitta Fuchs Papers provide an excellent overview of the research and professional activities of this pioneering scientist. The collection has been divided into seven series: Correspondence (1969-2007), Research (1960-2000), Professional Activities (1973-2000), Speeches, Manuscripts, and Reprints (1965-2000), Miscellaneous (1972-1992), Illustrations and Slides, and Electronic Records. The bulk

of the collection is the research files including her data on her pioneer work with the hormone, oxytocin.

CONDITIONS GOVERNING ACCESS:

The collection is open to researchers.

LANGUAGE OF MATERIAL:

English, Finnish, and Danish.

PROCESSING NOTE:

Duplicated reprints, reprints by other scientists, and negatives of illustrations were discarded.

PREFERRED CITATION:

Item Name or Identification; Box #, Folder #; Anna-Riitta Fuchs, ScD (1926-2015) Papers, 1960-2007 (Medical Center Archives of NewYork-Presbyterian/Weill Cornell, New York, NY).

RELATED MATERIAL:

Fritz Fuchs, MD (1918-1995) Papers

BOX AND FOLDER LIST:

Series I: Correspondence, 1969-2007

This series, arranged alphabetically, includes correspondence re appointments, research, and professional activities.

Box 1: Series I, Correspondence, 1969-2007

Folder:	Description:
1	Appointments, CV, Grants, Cornell University Medical College including Fritz Fuchs, 1969-1991
2	Christmas Cards, 1985-1986
3	Condolences re Fritz Fuchs' Death, 1996-2004
4	Emails re Research or Professional Activities, 1998-2006
5	Feminist Majority Foundation, 1990-1991
6	Foreign Language Letters, 1980-1998

7	Lying-In Hospital, 1991
8	Personal Correspondence, 1993-2007
9	Research, 1998
10	Retirement and Lab Space Issues, 1999-2001
11	Robert Knap Lectureship, 1996
12	Scandinavian Seminar, 1990

Series II: Research, 1960-2000

This series, arranged alphabetically, contains research data on Anna-Ritta Fuchs pioneering research on the hormone, Oxytocin and the lipid compound, Prostaglandin. Included here is her data for the research on using alcohol to reduce premature labor in rabbits.

Box 1: Series II, Research, 1960-2000

Folder:	Description:
13	Animal Orders, 1965-1989
14	Antoneau Trash Data, 1989-1993
15	Auloman Study Tissues Used, undated
16	Cantonian Study, Estone Assays, 1993-1994
17-18	Cell Culture Experiment Term Decidual Cell, 1986
19	Cow Caruncles Study, 1999-2000
20	Cow Cervix, Adult, All Data, undated
21	Cow and Oxytocin Research, 1999
22	Cow Plasura OT at Parturition and Summary Data, 1999
23	Cow Tissue Estrogen Sulphase, Dr. Antoniau Study No 2, 1994
24	[Doman? Yometr?] Strip 1, Unknown Oxytocin Study, Undated
25	Dopaminergic Regulation of Oxytocin Release, 1987-1990
26-31	Human Myometrium In-Vitro Research, c. 1960-1962
32	Human Myometrium In-Vitro Research, Amntot. Fluid II, c. 1962
33	Human Prolactin Iodination NPRL, October 1985-1986
34	IHF Protocol, 1994-1995
35	IHF Lab Data, 1995
36	IHF Lab Data, 1997

Box 2: Series II, Research, 1960-2000

Folder:	Description:
1-2	Iodination in PRL and Rabbit PRL, Iodination and Binding Tests, 1978-1988
3	Kenetic, EBDA, Ligand, Lowry Manual, 1985
4	[Lactoma] Uterine Activity, undated

5	Mouse Experiments, 1978-1979
6	Non Human Pregnant Tissues Data, 1992-1995
7	Non Pregnant Human Uterus Data, 1992-1993
8	Oxytocin Analogues, Ferring Pharm, 1981-1990
9	OT [Oxytocin] Assays, December 1981-May 1983
10	Oxytocin Data Notes, Lactatin, undated
11	Oxytocin Labelling, 1980-1983
12	Oxytocin Labelling, February 1984-October 1989
13	Oxytocin Research, 1989

Box 3: Series II, Research, 1960-2000

Folder:	Description:
1	Petroleum Ether Extraction, 1976-1977
2-3	PGE2 In-Vitro Experiments, #S 1-100 Assays 1-100, 1980-1987
4-5	PGE2 In-Vitro Experiments, Assays 100-?, 1987-1988
6	PGEM, 1982
7	PGF2 Human Assays Results, #1-55, 1981-1985
8-9	PGF2 In-Vitro Experiments, Assays Results, #S 1-170, 1980-1987
10	PGF2 In-Vitro Experiments, Assays Results, #S 171-, 1987-1989
11	PGFM, Assays (Maria Progresses, Information on Quattro Pro), 1996
12-13	PGFM Human Assays Results, 1980-1986
14	PGFM Human Assays Results, 1987-1988
15	PGFM In-Vitro Assays Results, #51-, 1981-1987

Box 4: Series #, Series Title, 1960-2000

Folder:	Description:
1	Progesterine, 1976
2	Progesterone Assays, 1976-1977
3	Prostaglandin Assay Characteristics and Summary, 1982-1983
4	Prostaglandin Bibliographic, 1968-1972
5	Prostaglandin Human Samples Extraction Book (includes First Experiment to Establish Extraction Chromatography Method, 1980-1989)
6	Prostaglandin In-Vitro Experiments Extraction for 6 oxo PGF22..., 1981-1985
7	Prostaglandin Research Notebook, 1976-1977
8	Rabbits, #295-380, 1971-1974
9	Rabbits, #374-449, 1974-1975
10	Rabbits, \$500-568, 1975-1978
11	Rabbits, #569-610, 1975-1981
12	Rabbits, #610-?, 1981-1988

- 13 Rabbits, Pack I, June 1978
 14 Rabbits Pack #2-5, 1979

Box 5: Series II, Research, 1960-2000

Folder:	Description:
1	Rabbits, Pack XIV, 1978-1979
2-3	Rabbits, Pack XVI, 523-?, 1977-1978
4-5	Rabbits, Park XVIA, #500-553, 1976-1977
6-7	Rabbits, Park XVIII, Analyzed, 1978
8	Rabbits, Blood Samples, 1974-1977
9	Rabbits, In-Vitro, 1962
10	Rabbits PRL Notes and Data Collected Results on Lactatin, undated
11	Rabbits Prolactin Assays, 1979-1980
12	Rabbits Prolactin Assays, 1981-1988

Box 6: Series II, Research, 1960-2000

Rabbits, In-Vitro, 1962-1963

Box 7: Series II , Research, 1960-2000

Folder:	Description:
1-2	Rabbits Records, 1964
3-4	Rats, Pack XIV, #1529-1533, 1978
5	Rats Procedures Book, 1978-1980
6	Samples Requests, 1973-1987
7	Unknown Research, Animals, undated
8	Unknown Research Binder, undated
9	Zbrezek Studies Results, 1984-1987

Box 17: Series II , Research, 1960-2000

Folder:	Description:
1	HCU Notes on Nuchiodo, undated
2	Miscellaneous, undated
3	Necessary Values for Drug [illegible] for Ligand Computer Program, undated
4	Rabbits, Effect of Various Treatments on Part Abortions Ovaricectomy, Ferguson, undated

Series III: Professional Activities, 1973-2000

This series, arranged alphabetically, pertains to her professional activities including the Association of Women in Science and New York Academy of Science. In addition, article peer reviews she conducted on other scientist's works.

Box 7: Series III, Professional Activities, 1973-2000

Folder:	Description:
10	Association of Women in Science, 1973-1988
11	Commission on the Status of Women, New York City, 1987-1988
12	Ferring Symposium, 1997
13	New York Academy of Science, 1981-1986
14	New York Academy of Science, Edris Rice Wray, 1987
15	New York Academy of Science, Women in Science Careers Workshop, 1981
16	New York Academy of Science, Women in Science Committee, 1975-1986
17	Population Council, 1975-1976
18	Professional Activities, Correspondence, 1992-2004
19	Review of Manuscripts, 1999-2000
20	Review of Maria's Work, 1997
21	Review of RIX Paper, undated
22	Review of VIP Manuscript for Bardrum, 1995

Series IV: Speeches, Manuscripts, and Reprints, 1965-2000

This series, arranged alphabetically, includes reprints, manuscript drafts, and presentations written by Anna-Ritta Fuchs.

Box 8: Series IV, Speeches, Manuscripts, and Reprints, 1965-2000

Folder:	Description:
1	Abstracts, 1971-2000
2	"Accumulation of Cyclooxygenase 2 ...Cows and Stimulation of Transcription by Oxytocin," undated
3	Atosiban: An Oxytocin Receptor Antagonist Conference, Presentation, February 1, 1998
4	"Effect of Fetal Hypoxia and Acidosis on the Charges in Fetal Electroencephalogram During Labor," 1986
5	Encyclopedia of Reproduction by Fields, Chapter on Parturition, 1997

- 6 "Functional Aspects of Oxytocin in Female Reproductive Tract,"
Presentation, undated
- 7 "Hormonal Regulation of Uterine Contractility," 1997
- 8 Lecture, IHF, March 11, 2000
- 9 Lecture Notes, Foreign Language, undated
- 10 "Ontogeny of Oxytocin Receptors and Oxytocin Induced Stimulation
of Prostaglandin...Heifers," 1998
- 11 "Oxytocin from Both Pituitary and Ovary...Cows," 2000
- 12 "Oxytocin Induces PGE2 Release from Bovine Cervical Mucosa
In-Vitro," 1999
- 13 Oxytocin, Maria Research, 1996
- 14 Oxytocin Presentation, 1992
- 15 "Oxytocin Receptors in Human Corpora Lutea and Ovarian Stroma
During the Menstrual Cycle," 1995
- 16 "Oxytocin and Vasopressin Receptors in Human Endometrium
Myometrium and Uterine Myomas...", 1993-1995
- 17 "Oxytocin and Vasopressin Receptors in Human Endometrium
Myometrium and Uterine Myomas...", Presentation at University of
Pittsburg, 1995
- 18 "Oxytocin and Vasopressin Receptors in Human Endometrium
Myometrium and Uterine Myomas...", Presentation at Ferring
Symposium, undated
- 19 "Oxytocin and Vasopressin Receptors in Human Endometrium
Myometrium and Uterine Myomas...", 1997-1998
- 20 "Prevention of Preterm Birth by Regulating Oxytocin Receptor
Concentrations in Uterine Tissues," undated
- 21 "Progesterone Paradox, Endometrial Oxytocin....," 1999
- 22 "Pulsatile Release of Oxytocin...", " 1985
- 23 Reprints, 1965-1969
- 24 Reprints, 1970-1979
- 25 Reprints, 1980-1989
- 26 Reprints, 1990-1999
- 27 "Secretion of Oxytocin in Cows...", undated
- 28 Symposium in Montevideo, Editor of Publication of Proceedings,
1998
- 29 "Tissues Specific Effects of Ovarian Steroids...", undated
- 30 "Uterine Defense Mechanism in the Mare...", Presentation,
Gainesville, FL, March 13-15, 1997

Series V: Miscellaneous, 1977-1992

This series, arranged alphabetically, includes biographic materials and a thesis by her student, Udom Chantaarksri.

Box 8: Series V, Miscellaneous, 977-1992

Folder:	Description:
31-32	Address Books, undated
33	Biography
34	Certificates
35	Cornell University Medical College Policies, 1987-1992
36	New York Hospital-Cornell Medical Center, Articles, 1990-1991
37	Service Award
38	Udom Chantharksri Theses, 1977

Series VI: Illustrations and Slides, Series Dates

This series contains slides and illustrations used in her publications, presentations, or research.

Box 9-15: Series VI, Illustrations and Slides, undated

Illustrations and Slides for Presentations, Publications, or Research.

Box 16: Series VII, Electronic Records, undated