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.

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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

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Box 2: Series II, Research, 1960-2000

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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
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  Progesterone, 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**

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1  Rabbits, Pack XIV, 1978-1979
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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

Box 6:  **Series II, Research, 1960-2000**

Rabbits, In-Vitro, 1962-1963

Box 7:  **Series II , Research, 1960-2000**

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1-2  Rabbits Records, 1964
3-4  Rats, Pack XIV, #1529-1533, 1978
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 Ovaricctomy, Ferguson, undated

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:

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
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, 1977-1992

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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