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**Department of Microbiology and Physiological Systems (MaPS)
Papers, 2010 - present
(formerly Department of Physiology, 1968 – 2009)**

A Finding Aid

Lamar Soutter Library, Office of Medical History and Archives
University of Massachusetts Medical School

Descriptive Summary

Repository: Lamar Soutter Library, Office of Medical History and Archives
University of Massachusetts Medical School

Identification: SC 15

Creator: Department of Physiology / Department of Microbiology and Physiological Systems

Title: Department of Microbiology and Physiological Systems (MaPS) Papers, [formerly
Department of Physiology]

Date(s): 1968-present (bulk 1968-2009)

Quantity: 19 record cartons, 2 photograph boxes, 1 box of artifacts and miscellaneous media.
Approximately 20 linear feet.

Abstract: The Department of Microbiology and Physiological Systems (MaPS) Papers documents the establishment of the Department of Physiology and chronicles its early history, development, and merger with the Department of Microbiology to form the Department of Microbiology and Physiological Systems (MaPS).

Access Restrictions: Access to most material in the collection is unrestricted. Access to personal information relating to the MaPS faculty is restricted for 10 years and thereafter is accessible by permission of the Archivist. Access to other restricted materials may be requested by completing a “Restricted Records Access Request” form.

Preferred Citation: The proper citation format for any item from this collection is:

The Department of Microbiology and Physiological Systems Papers, University of Massachusetts Medical School Archives, Lamar Soutter Library, University of Massachusetts Medical School, Worcester, Massachusetts.

Processing Information: This collection was processed by Dina Litvak in 2014/2015. The finding aid was completed by Dina Litvak and Kristine Sjostedt.

Biographical/Historical:

The Department of Physiology was established in 1970, the same year the University of Massachusetts Medical School (UMMS) opened. In the late winter of 1970, Dean Lamar Soutter recruited H. Maurice (Moe) Goodman, Ph.D. to head the Department of Physiology with the mandate to “*build a Department of Physiology second to none in New England*”. The resources promised were quite modest: fourteen state funded positions and an office, laboratory, and teaching space in the medical sciences

building, construction of which was scheduled to begin in the summer of 1970. The amount of \$300,000, provided by the federal grant that underwrote construction of the building, supplied funds to outfit the research and teaching labs for the newly founded department.

The first class of sixteen medical students began their education in the fall of 1970. They and the next two incoming classes studied in the Shaw building, a renovated tobacco warehouse situated on the corner of Lake Avenue and Belmont Street near the current school building and hospital. With space for only 16 students and 2 faculty laboratories in Physiology, the budget initially provided salaries for only two junior faculty positions. Fredric (Fred) S. Fay, Ph.D. became the first recruited by Goodman to fill one of those available positions. At that time, Fay was a first year fellow in physiology at Harvard Medical School. Goodman met him for the first time in 1965 when Fay was a graduate student doing a laboratory rotation in Goodman's lab. Fay agreed to come to Worcester just for a few years to help Goodman get the department started, but stayed with the Department of Physiology for many more years until his unexpected death in 1997.¹ The remaining faculty position was shared between Joshua J. Singer, Ph.D. and John V. Walsh, M.D. Arrangements were made for Singer and Walsh to devote the first half of that salary to their research at Harvard and the second half to the teaching at UMMS. In 1971 they joined the Department of Physiology full time. Additional faculty joined the department over the next few years and include Peter Grigg, Ph.D., Peter Reed, Ph.D., (then Dean at Vanderbilt University) and James G. Dobson, Ph.D. The medical class was expanded to 24 students for the academic years 1971 and 1972, and with anticipation of moving into the new Medical Sciences building the following year, the class was expanded to 40. Once the move to the new building was completed, Joel Feinblatt, Ph.D. transferred to the department from the Department of Pharmacology. Susan Smith, Ph.D. was recruited from Emory Medical School. Another faculty member, Thomas W. Honeyman, Ph.D., who had come to Worcester in 1970 to finish his doctoral research in Goodman's laboratory, joined the faculty in 1974.

From the time the department was established until its merger with the Department of Molecular Genetics and Microbiology in 2010, thirty people had appointments at the professorial rank in the Department of Physiology, including several former members of the Worcester Foundation for Biomedical Research which merged with UMMS in 1997. Faculty provided instruction in medical physiology to more than 3,000 students and trained many postdoctoral fellows. They also served in leadership roles in professional societies and campus-wide administrative positions, and received more than 20 national and local research awards including the election of Susan Leeman, Ph.D. to the National Academy of Sciences.

In 2010 the Department of Physiology merged with the Department of Molecular Genetics and Microbiology into the new Department of Microbiology and Physiological Systems (MaPS).

Scope and Content: The bulk of this collection contains annual and scientific reports, correspondence, financial reports, grant applications, scientific publications (loose and bound volumes), and numerous photographs created by or about the Department of Physiology.

Series and Subseries in the Collection: The collection is arranged in twelve series, seven of which are further arranged in several subseries. The series and subseries in the collection are as follows:

Series 1: Miscellaneous correspondence

Series 2: Faculty

Subseries 1. H. Maurice Goodman

¹ Clapham, D.E. In Memoriam: Fredric S. Fay. *Neuron*, vol.18, 1997, p. 697.

- Subseries 2. John V. Walsh
- Subseries 3. Joshua J. Singer
- Subseries 4. Thomas W. Honeyman
- Subseries 5. Susan E. Leeman
- Subseries 6. Jose Ramon Lemos
- Subseries 7. James Gordon Dobson, Jr.
- Subseries 8. John E. Mole
- Subseries 9. Fredric Stewart Fay
- Subseries 10. Peter Grigg
- Subseries 11. Mark Furman
- Subseries 12. Theo E. Meyer
- Subseries 13. Alan W. Steel
- Subseries 14. Miscellaneous
- Subseries 15. Hiroshi Yamaguchi

Series 3: Events

- Subseries 1. UMMS-WFBR merger
- Subseries 2. Retreats
- Subseries 3. Anniversaries
- Subseries 4. Miscellaneous events

Series 4: Annual reports/Budget

Series 5: Department Accreditations and Reviews

Series 6: Grants

- Subseries 1. Grant proposals
- Subseries 2. Miscellaneous

Series 7: Research

- Subseries 1. Miscellaneous
- Subseries 2. Program in Molecular Medicine
- Subseries 3. Core facilities and Equipment
- Subseries 4. Research Data
- Subseries 5. Publications

Series 8: Legal/Administrative

- Subseries 1. Technology transfer
- Subseries 2. Legal documents, Policies & Procedures

Subseries 3. Human resources

Subseries 4. Printing and Publication

Subseries 5. Miscellaneous

Series 9: Councils, Committees, Commissions

Subseries 1. Miscellaneous committees and groups

Subseries 2. Chancellor Search Committee

Subseries 3. UMMC Scientific Council

Series 10: Teaching

Subseries 1. Curriculums, handbooks, posters and medical school catalogs

Subseries 2. Course materials: Class of 1988

Subseries 3. Course materials: Class of 1989

Subseries 4. Course materials: Class of 1993

Subseries 5. Course materials: Class of 2002

Subseries 6. Course materials: Class of 2003

Subseries 7. Course materials: Class of 2004

Subseries 8. Course materials: Class of 2005

Subseries 9. Course materials: Class of 2006

Subseries 10. Course materials: Class of 2007

Subseries 11. Course materials: Class of 2008

Subseries 12. Course materials: Class of 2009

Subseries 13. Course materials: Class of 2010

Subseries 14. Course materials: Class of 2011

Subseries 15. Course materials: Class of 2012

Subseries 16. Conferences

Subseries 17. Research rotation projects

Subseries 18. Physiology course: Spring 1974

Subseries 19. Reports

Subseries 20. Basic Science Academic Evaluation Board

Series 11: Photographs and slides

Series 12: Artifacts and miscellaneous media

Series 1: Miscellaneous correspondence

Box 1

1. Correspondence: November 2005 - Faculty council/Education policy council - acknowledgement of patient families' contribution to medical education

2. Correspondence: John P. Howe, Academic Dean: 1980 - 1981
- 2A. Correspondence: John P. Howe, Academic Dean: 1982-1984
3. Correspondence: Robert E. Tranquada, Chancellor/Dean: 1979 - 1980
- 3A. Correspondence: Robert E. Tranquada, Chancellor/Dean: 1981-1986
4. Correspondence: James Barry Hanshaw, Dean/Provost: 1986 - 1988
5. Correspondence: M.P. Czech and H.M. Goodman: 11/17/1983
6. Correspondence: Lazare, Aaron, and Goodman, H. Maurice: 1991 - 1995
7. Correspondence: Miller, Thomas B., Jr., and Goodman, H. Maurice: 1990 – 1992: *Access Restricted*
8. Correspondence: Miscellaneous internal: 1992 - 2000
9. Correspondence: Sherman, Albert: 1992 – 1993
10. Correspondence: Physiology Faculty: 1993
11. Scientific Affairs-Correspondence: 1992 – 1993: *Access Restricted*
12. Correspondence: Bratt, Michael, 1992-1993
13. Correspondence: 1982
14. Correspondence: 1981: *Access Restricted*
15. Correspondence: 1980: *Access Restricted*
16. Correspondence: 1982 - 1987
17. Correspondence: January – June, 1987: *Access Restricted*
- 17A. Correspondence: July – December, 1987: *Access Restricted*
18. Correspondence: 1984: *Access Restricted*
19. Correspondence: 1983
20. Correspondence: 1986 – 1987: *Access Restricted*
21. Correspondence: 1988: *Access Restricted*
22. Letters of reference: Chipkin, Stuart: 1988
23. Correspondence: 1985: *Access Restricted*
24. Correspondence: Faculty: 1987

Series 2: Faculty

Box 2

Subseries 1. H. Maurice Goodman

1. H. Maurice Goodman: Journal article: 2004
2. H. Maurice Goodman: curriculum vitae: 1970 – 2002; passport photos
3. National Board of Medical Examiners: correspondence: 1977 - 1978

4. H. Maurice Goodman: health insurance form and salary information: 1980 – 1982:
Access Restricted

5. NIH Biomedical Sciences Study Section: 1988: *Access Restricted*

Subseries 2. John V. Walsh

6. John Walsh: tenure track promotions: 1970-1986: *Access Restricted*

Subseries 3. Joshua J. Singer

7. Joshua Singer: tenure track promotions and manuscripts reprints: 1973-1991:
Access Restricted

Subseries 4. Thomas W. Honeyman

8. Thomas Honeyman: tenure track promotions and manuscripts reprints: 1969-1982:
Access Restricted

Subseries 5. Susan E. Leeman

9. Susan Leeman: tenure track promotions, awards and manuscripts reprint: 1973-
1988: *Access Restricted*

Subseries 6. Jose Ramon Lemos

10. Jose Lemos: curriculum vitae: 1999: *Access Restricted*

Subseries 7. James Gordon Dobson, Jr.

11. James Dobson: tenure track promotions and correspondence: 1973 – 2003: *Access
Restricted*

Subseries 8. John E. Mole

12. John Mole: 1994: *Confidential: Access Restricted*

Subseries 9. Frederic Stewart Fay

13. Fred Fay: tenure track promotions, correspondence and manuscript: 1970 – 1997:
Access Restricted

14. Fred Fay: 1991 - 1997

Subseries 10. Peter Grigg

15. Peter Grigg: tenure track promotions and manuscripts reprints: 1972 – 1985:
Access Restricted

Subseries 11. Mark Furman

16. Mark Furman appointment: correspondence, proposal; budget; CV: 1994: *Access
Restricted*

Subseries 12. Theo E. Meyer

17. Theo Meyer appointment: correspondence, proposed budget; CV: 1993 – 1994:
Access Restricted

Subseries 13. Alan W. Steel

18. Alan Steel appointment: correspondence, research plan, CV, article reprint: 1994:
Access Restricted

Subseries 14. Miscellaneous

19. Physiology Department Curricula Vitae: 1984: *Access Restricted*
20. Physiology faculty research description and grant support: 1981 – 2000: *Access Restricted*
21. Faculty Curricula Vitae: *Access Restricted*

Subseries 15. Hiroshi Yamaguchi

22. Postcard, Photograph
- Bound volume: Hiroshi Yamaguchi: 1938 – 1999: CV, article reprints, remembrances

Series 3: Events**Box 3****Subseries 1. UMMS-WFBR merger**

1. UMMS-WFBR merger: correspondence and documents regarding faculty and equipment transfer: 1995 - 1999

Subseries 2. Retreats

2. Department Retreat: 1993
3. Retreat: 1990
4. Basic Science Retreat: Agenda, transparencies, documents: 1993
5. Retreat: Transparencies, print outs: 1992
6. Basic Science Retreat: correspondence: 1998
7. Department Retreat: 1985

Subseries 3. Anniversaries

8. UMMC Twenty-fifth Anniversary: 1994 - 1995
9. UMMC Twenty-fifth Anniversary: 1995 - 1996
10. Thirty Year Anniversary: 2000
11. Department of Physiology: 30th Anniversary: 1970 - 2000
12. Department of Physiology: 30th Anniversary: 1970 - 2000: Current faculty CVs: Part I: *Access Restricted*
13. Department of Physiology: 30th Anniversary: 1970 - 2000: Current faculty CVs: Part II: *Access Restricted*
14. Department of Physiology: 30th Anniversary: 1970 - 2000: Core facilities
15. Thirtieth Anniversary: Symposium and Fred Fay Lectures-program: 10/16/2000

Subseries 4. Miscellaneous events

16. Salute to Science Planning Committee: 1991-1992
17. Learning Center Campaign: Steering Committee: 1996

18. Public Responsibility in Medicine & Research: 1988
19. Celebrations, Donations: 1976 - 2000
20. Meetings: 1988

Series 4: Annual reports/Budget

21. Annual Reports, FY 1982 - 1990; Budget, FY 1992
22. Sponsored projects: 1977 - 1993
23. Sponsored Programs: 1986 - 1988
24. Animal Medicine: correspondence: 1992
25. Operating budget: FY 2000
26. Imaging: Operating Budget: FY 2005
27. Physiology Imaging: Operating Budget: FY 2004
28. Physiology: Operating Budget: FY 2005
29. Physiology: Operating Budget: FY 2006
30. Imaging: Operating Budget: FY 2006
31. Physiology Imaging: Operating Budget: FY 2003
32. Physiology Imaging: Operating Budget: FY 2001
33. Physiology: Operating Budget: FY 1991

Box 4

1. Physiology Imaging: Operating Budget: FY 2002
2. Faculty Salary Projections: FY 1987
3. UMass Financial system: account statements: 1990 - 1991
4. Faculty Salary Survey: 1992- **CONFIDENTIAL: Access Restricted**
5. Faculty Salary Data: 1992
6. Physiology: Operating Budget: FY 1988
7. Physiology: Operating Budget: FY 1990
8. Faculty salaries: Mid-year review: FY 1993
9. Operating Budget: FY 1992
10. Operating Budget: FY 1993
11. UMMC Operating Budget: FY 1994
12. Operating Budget: FY 1995
13. Physiology: Operating Budget: FY 1996
14. Physiology: Operating Budget: FY 1997
15. Operating Budget: FY 1998

16. Operating Budget: FY 1998; NIH awards for medical schools, FY 1996; Faculty data
17. Physiology: Operating Budget: FY 1998
18. Physiology: Operating Budget: FY 1999
19. Physiology: Operating Budget: FY 1999
20. Physiology & Imaging: Operating Budget: FY 2000
21. Operating Budget: Department of Physiology: FY 1996
22. Operating Budget: FY 1991
23. UMMC Operating Budget packet: FY 1991
24. Operating Budget instructions: FY 1988
25. Operating Budget: FY 1989
26. Operating Budget: FY 1993
27. Operating Budget: Chairman's narrative: FY 1998
28. Operating Budget: FY 1994
29. Faculty salaries: survey results, salaries lists: 1994 - 1995
30. Brochure: Group Practice Plan Fringe Benefits: 1990
31. Operating Budget: Chairman's narrative: FY 1993
32. Operating Budget: FY 2001
33. Operating Budget: FY 2002
34. Operating Budget: FY 1981
35. Operating Budget: FY 1980
36. Physiology Annual Report: 1975 - 1976; Chairman's Report: undated
37. Mid-Year Review: January 27, 1984
38. Mid-Year Review: January 25, 1985
39. Operating Budget: FY 1986
40. Scientific Affairs: Budget: FY 1985
41. Operating Budget: FY 1987
42. Oversight Committee for the Shops: correspondence, accounts: 1993
43. Research Trust Fund Reports: 1992 – 1993

Box 5

1. Physiology: Operating Budget: FY 2007
2. UMMC Annual Report: FY 1986
3. Physiology Annual Report: Information: FY 1980
4. Physiology Annual Report: Information: FY 1984

Series 5: Department Accreditations and Reviews

5. Department of Physiology: Accreditations: 1975 - 1990
6. Accreditation review: Physiology site visit: 1984
7. Physiology Department: Five-year review: 1983/1984, Part I
- 7A. Physiology Department: Five-year review: 1983/1984, Part I
- 7B. Physiology Department: Five-year review: 1983/1984, Part I
8. Physiology Department: Five-year review: 1983/1984, Part II
- 8A. Physiology Department: Five-year review: 1983/1984, Part II
- 8B. Physiology Department: Five-year review: 1983/1984, Part II
9. Department of Physiology: Five-year review: July 1984 - June 1989, Volume I, Part I
- 9A. Department of Physiology: Five-year review: July 1984 - June 1989, Volume I, Part I
10. Department of Physiology: Five-year review: July 1984 - June 1989, Volume I, Part II
- 10A. Department of Physiology: Five-year review: July 1984 - June 1989, Volume I, Part II
11. Department of Physiology: Five-year review: July 1984 - June 1989, Volume II, Part I
- 11A. Department of Physiology: Five-year review: July 1984 - June 1989, Volume II, Part I
12. Department of Physiology: Five-year review: July 1984 - June 1989, Volume II, Part II
- 12A. Department of Physiology: Five-year review: July 1984 - June 1989, Volume II, Part II
13. Physiology Department: Five-year review: Curricula vitae: 03/23/1984:
Access Restricted
14. Physiology Department review: 1978 - 1997
15. LCME [Liaison Committee on Medical Education] Study: 1995-1996

Box 6

1. LCME [Liaison Committee on Medical Education] Review: Subcommittee 14, 1996-Part 1
- 1A. LCME [Liaison Committee on Medical Education] Review: Subcommittee 14, 1996-Part 2

Series 6: Grants

Subseries 1. Grant proposals

2. Grant application: "Lipolytic Actions of Growth Hormone", 1994 - 1995

3. Grant application to Juvenile Diabetes Foundation International: "Growth hormone and cellular calcium: a possible link between decreased insulin sensitivity and hypertension": 1992
4. Grant application: "Mechanism of Action of Growth Hormone" and related correspondence: 1975 - 1991
5. Grant: "Mechanism of Action of Growth Hormone": 1976 - 1981
6. Grant: "Mechanism of Action of Growth Hormone": 1982 - 1985
7. Grant: "Mechanism of Action of Growth Hormone": 1987 - 1991
8. Grant: "Mechanism of Action of Growth Hormone": 1985 - 1991
9. Grant Materials: 1991-1996 : *Material removed and placed in small document box due to mold.*
10. Grant: "Insulin Effect on Amino Acid Metabolism in Adipocytes"; 1977 - 1986
11. Grant: "Insulin Effect on Amino Acid Metabolism in Adipocytes": 1977 - 1986
12. Grant: "Insulin Effect on Amino Acid Metabolism in Adipocytes": 1977 - 1986
13. Grant: "Effect of Insulin on Amino Acid Metabolism in Fat": 1986
14. Grant: "The Role of Hormones in Stress": 1973 - 1977
15. Grant - Scientific Review: "Lipolytic of Actions of Growth Hormone": 1994 - 1995
16. Grant-Scientific Review: "Mechanism of Action of Growth Hormone": 1994 - 1995
17. Grant-Scientific Review: "Mechanism of Action of Growth Hormone": 1999 -2000
18. Grant: "Growth Hormone Actions on Islet Cells": 1999
19. Sponsored Research: Sepracor: "Actions of sibutramine metabolites on rat adipocytes": 1997 - 1999
20. Grant: "Mechanism of Action of Growth Hormone": 1985 - 1986
21. Grant: "Cyclic AMP & Permissive Action of Glucocorticoids": 1969 - 1971
22. Grant: "Growth Hormone Action on Fat Metabolism": 1972 - 1973
23. Grant: "Mechanism of Action of Growth Hormone": 1991

Subseries 2. Miscellaneous

24. Correspondence re: H.M. Goodman's R01 DK45827-01 grant: 10/02/1992
25. NIH Grants - Physiology department
26. Faculty Research: Grant Material: 1992-1999
27. Correspondence: Medical Students-reference letters: 1980 - 1986
28. Correspondence: Graduate Students-reference letters: 1987

Series 7: Research**Box 7****Subseries 1. Miscellaneous**

1. Adipocyte Proteins; GH Binding Proteins: Transparencies & printouts
2. Future of Basic Science Departments at UMMS: documents & correspondence: 1992
3. Biomedical Imaging Recruitment: 2003
4. Pharmacology documents: PhD training: 1992
5. Radiation safety: 1989 - 1992
6. Biotech Park: correspondence, proposal: 1985
7. Physical Plant: 1980
8. Endocrine Society: 1976 - 1988
9. National Institute for Biological Standards and Control: 1981 - 1985
10. Research Interests: undated
11. Plans, Goals: 1971 - 1972
12. Research Task Force: 1987 - 1992

Subseries 2. Program in Molecular Medicine

13. Program in Molecular Medicine: Charter draft; correspondence: 1992 - 1994
14. Molecular Medicine: Program Charter, correspondence, information brochure: 1988 - 1992

Subseries 3. Core facilities and Equipment

15. Scientific Council: Equipment transfer-correspondence, 1992 - 1993
16. Correspondence: Bresnick, Edward, and Goodman. H. Maurice: 1994 - 1996
17. Core facilities: Governance documents: 1983 - 1993
18. Research Support Services: UMMC Office of Research: 1994 - 1995
19. Biomedical Computing Committee: 1988
20. Animal Care Advisory Committee: 1979 - 1980
21. Purchasing Task Force: 1987 - 1988
22. Space Utilization, undated

Subseries 4. Research Data

23. Laboratory data: 09/1992 - 02/1993
24. Laboratory data: 03/1993 - 06/1993
25. Laboratory data: 07/1993 - 09/1993

26. Statistical analysis: November 1991
27. Laboratory data: 03/1992
28. Laboratory data: 04/1992 - 05/1992
29. Laboratory data: 06/1992 - 08/1992
30. Laboratory data: undated
31. Laboratory data: 01/1991 - 02/1991
32. Laboratory data: 03/1991
33. Laboratory data: 04/1991- 05/1991
34. Laboratory data: 06/1991- 07/1991
35. Laboratory data: 06/1991- 10/1991
36. Laboratory data: 06/1991- 10/1991
37. Laboratory data: 08/1991
38. Laboratory data: 10/1991- 12/1991
39. Laboratory data: 01/1992- 03/1992
40. Processed data: 07/1991- 08/1991

Box 8

1. Experiments protocols: undated
2. L.K. Levy: experiments protocols and experimental data: 1978 - 1981
3. Binding experiments: 1981 - 1982
4. Experimental data: 1983
5. Journal articles: 1970 - 1977
6. Statistical analysis: June 1991
7. Statistical analysis: June 1991
8. Statistical analysis: June 1991
9. Statistical analysis: June 1991
10. Statistical analysis: June 1991
11. Statistical analysis: August 1991
12. Statistical analysis: August 1991
13. Statistical analysis: April 1991
14. Statistical analysis: April 1991
15. Journal articles: 1990 - 1991
16. Chromatogram and reports: undated
17. Manuscript (printed draft): unknown author: undated

18. Scans and data: September 1986
19. Chromatogram and reports: undated
20. Scans and data: 02/1987 - 03/1987
21. Chromatogram and reports: 02/1986
22. Statistical analysis: 12/1989
23. Statistical analysis: 01/1990
24. Laboratory data: undated
25. Journal articles: 1986 - 1991
26. Statistical analysis: Monkey lipolysis: 12/1991
27. Statistical analysis: Potentiation of DBC: 04/1990 - 05/1990
28. Statistical analysis: 01/1990
29. Journal articles, correspondence: 1983 - 1990
30. Laboratory data and transparencies: undated
31. Balance points summaries: undated
32. Chromatogram and reports: undated
33. Scans and data: undated

Box 9

1. Manuscript: Balance point by Maurice Goodman: background material and data: July 1990, Part 1
2. Manuscript: Balance point by Maurice Goodman: background material and data: July 1990, Part 2

Subseries 5. Publications

3. Publications: Department of Physiology: 1971 - 1977
4. Publications: Department of Physiology: 1978 - 1980
5. Publications: Department of Physiology: 1981 - 1982
6. Publications: Department of Physiology: 1983 - 1984
7. Publications: Department of Physiology: 1985 - 1986
8. Publications: Department of Physiology: 1987 - 1988
9. Publications: Department of Physiology: 1989 - 1990

Series 8: Legal/Administrative

Box 10

Subseries 1. Technology transfer

1. Technology Transfer office: correspondence, reports: 1991 - 1992
2. Technology Transfer: 1991 - 1992

3. Senate committee on science and technology hearings: 10/13/1993

Subseries 2. Legal documents, Policies & Procedures

4. Policies & Procedures, Legal Documents, Department Finance: 1999 – 2002
CONFIDENTIAL- Access Restricted
5. Scientific Affairs- Mole, John E.: 1994-1996
CONFIDENTIAL-Access Restricted
6. Scientific Affairs-Authorship Guidelines and Policies: 1986 - 1993
7. Scientific Affairs-Scientific Misconduct Policy: 1991
8. Department Chair Search Committee Guidelines: 1992
9. Guidelines: 1984-1992
10. Compendium of selected Massachusetts Laws relating to the University of Massachusetts: 06/01/1974
11. Conflict of interest policy: 1995
12. Postdoctoral policy: 1990
13. University/Corporate Relations-Policy Development: 1984 - 1988
14. University/Corporate Relations Policy: 1980-1985

Subseries 3. Human resources

15. Correspondence: Barret, Martin J., and Goodman, H. Maurice: 1990 - 1992
16. Correspondence: Miner, Jane: 1994
17. Wyatt Study - Management: 1993
18. Wyatt Study - Oversight Committee: 1992
19. Wyatt Study - Research Technicians Salary Issues: 1991-1992
20. Personnel Handbook: 1985 - 2000
21. Academic Personnel Policies: 1986 - 2003
22. University of Massachusetts Policy handbook: June 1989, Part I
23. University of Massachusetts Policy handbook: June 1989, Part II
24. UMMC Faculty Handbook: 1980 – 1982, Part I
25. UMMC Faculty Handbook: 1980 – 1982, Part II; Student Handbook; Employee Handbook
26. Governance Document for the Medical School: 07/12/1974
27. Academic Personnel Policy: 03/05/1980
28. Academic Personnel Policy: 1994 - 1995
29. Affirmative Action / Equal opportunity progress report: 1989-1992
30. Task Force on Faculty Promotion and Tenure: 1982 - 1986
31. Daniel Mullen hiring: 1970 – 1983

Box 11**Subseries 4. Printing and Publication**

1. Posters, Catalogs, and Brochures: printing & publication information: 1989-1996
2. Telephone directories and dialing instructions: 01/1976 - 03/1978
3. Catalog publication: 1989 - 1992
4. Publication: UMMC Magazine article draft: 1993
5. Correspondence: Office of Public Affairs & Publications: 1987 - 1990
6. Correspondence: Mountcastle, Vernon- re: textbook, Medical Physiology: 1975 – 1978

Subseries 5. Miscellaneous

7. University of Massachusetts - Office of the President: 1980 - 1987
8. University of Massachusetts - Three Campuses: Survey of Public Service Activities and Programs: undated
9. Long Range Planning: Correspondence, planning document draft: 1984 - 1987
10. UMMC Space Committee: 1979 - 1987
11. Long Range Plan: 1987 - 1988
12. Departmental Planning: Questionnaire: 1982 - 1986
13. Public Service Report: 1985

Series 9: Councils, Committees, Commissions**Subseries 1. Miscellaneous committees and groups**

14. Neuroscience Task Force: 1996
15. New England Biomedical Research Coalition: 1994
16. Patent Policy Committee: 1995
17. Patent Policy Committee: 1995 - 1997
18. Personnel Policy Working Group: 1996
19. Personnel Policy Working Group: 1997
20. Personnel Policy Working Group: 1997
21. Task Force on Retrenchment – Subcommittee on Faculty Comp.: 1991-1995
22. Standing Committee Rosters: 1990 - 1995
23. Subcommittee on Governance and Administration: 1989
24. Tenure Committee - Tenure Consideration: 1989
25. University of Massachusetts Medical Center Foundation, Inc.: 1994 - 1995
26. University of Massachusetts Medical Center Foundation, Inc.: 1995 - 1996
27. Research Advisory Council retreat: 3/19/2001

28. Advisory Group on Research/Sponsored Project: 1992
29. All Chairs Meeting, UMMC Committees: 1990-1992
30. Basic Science Chairs: 1992-1996

Box 12

1. Board of Trustees-University of Massachusetts: Roster: 1993
2. Chancellor's Advisory Council: 1993-1996
3. Educational Policy Committee: 1991-1993
4. Executive Council: 1995-1997
5. Board of Trustees-Members Profiles: 1985
6. Board of Trustees: Correspondence, meeting minutes: 1985 - 1986
7. University of Massachusetts - Three Campus Steering Committee: 1980 - 1981
8. Cancer Center Planning Committee: 1985
9. Task Force on Biomedical Engineering: 1982 - 1987
10. Dean's Council: 1987 - 1988
11. Educational Policy Committee: 1976 - 1981
12. Neuroscience Steering Committee: 1983 - 1985
13. Medical Research Institute of Worcester, Inc.: 1979 - 1987
14. Educational Commission for Foreign Medical Graduates: 1985 - 1986
15. Educational Commission for Foreign Medical Graduates-Test Committee:
1986 - 1988
16. National Board of Medical Examiners: 1977 - 1986
17. National Board of Medical Examiners: 1977 - 1986
18. Committee Assignments: 1986 - 1988
19. New England Biomedical Research Coalition: correspondence, meeting minutes:
1994

Subseries 2. Chancellor Search Committee

20. Chancellor search Committee info: 1986 - 1987
21. Rating sheets for candidates: 1987
22. Chancellor Search Committee info: 2nd visit information: 1987
23. Chancellor Search planning: 1986
24. Candidates profiles: undated
25. Correspondence: 1986

Subseries 3. UMMC Scientific Council

26. UMMC Scientific Council: Miscellaneous: 1979 - 1995

27. UMMC Scientific Council: Research Trust Fund: 03/11/1994 - 06/27/1994
28. UMMC Scientific Council: Core Facilities: undated
29. UMMC Scientific Council: FY94 Second Quarter Report of Sponsored Programs
30. Scientific Council: Correspondence, meeting agendas & minutes: 1993-1994
31. Scientific Council: Correspondence, meeting agendas & minutes, guidelines: 1993-1994

Series 10: Teaching

Subseries 1. Curriculum, handbooks, posters and medical school catalogs

32. First Year Curriculum: 1985 - 1987
33. Graduate Courses - First Year Curriculum: 1979 - 1981
34. Graduate Courses - First Year Curriculum: 1971 - 1982
35. Catalogs – School of Medicine: 1970-1971; 1973-1974; 1979-1980; 1986-1988
36. Catalogs - Graduate School of Biomedical Sciences: 1998-2000; 2000-2002

Box 13

1. Faculty/Student Handbooks: 1986 - 1990
2. Posters: Cellular & Molecular Physiology Graduate Program
3. Program in Cellular and Molecular Physiology description, Recruitment letter: 1992-2004
4. Behavioral Neuroscience Program: 1995 – *Access Restricted*
5. First Year Curriculum Committee: Meetings: 1995
6. Graduate School of Biomedical Sciences Core Curriculum Task Force: 1995-1996
7. Graduate School of Biomedical Sciences: correspondence, student/faculty handbook, course schedules: 1986 - 1988
8. Graduate Programs: Correspondence, information: 1983 - 1987
9. Academic Support Task Force: 1986
10. Graduate Studies: 1987 - 1988
11. UMMS Catalog: Department information: 1986 - 1987

Subseries 2. Course materials: Class of 1988

12. Course materials: Class of 1988, 1984-1985 AY, Cellular & Neurophysiology, January 1985
13. Course materials: Class of 1988, 1984-1985 AY, Cellular & Neurophysiology, 1985
14. Course materials: Class of 1988, 1984-1985 AY, Cellular & Neurophysiology, 1985

15. Course materials: Class of 1988, 1984-1985 AY, Cellular & Neurophysiology, 1985
16. Course materials: Class of 1988, 1984-1985 AY, Cellular & Neurophysiology, 1985
17. Course materials: Class of 1988, 1984-1985 AY, Cardiovascular, 1985
18. Course materials: Class of 1988, 1984-1985 AY, Cardiovascular, 1985
19. Course materials: Class of 1988, 1984-1985 AY, Cardiovascular, 1985
20. Course materials: Class of 1988, 1984-1985 AY, Respiration, 1985
21. Course materials: Class of 1988, 1984-1985 AY, Respiration, 1985
22. Course materials: Class of 1988, 1984-1985 AY, Renal-Acid Base, 1985
23. Course materials: Class of 1988, 1984-1985 AY, Renal-Acid Base, 1985
24. Course materials: Class of 1988, 1984-1985 AY, GI and Endocrinology, 1985
25. Course materials: Class of 1988, 1984-1985 AY, GI and Endocrinology, 1985
26. Course materials: Class of 1988, 1984-1985 AY, GI and Endocrinology, 1985

Subseries 3. Course materials: Class of 1989

27. Course materials: Class of 1989, 1985-1986 AY, Physiology, 1986
28. Course materials: Class of 1989, 1985-1986 AY, Physiology, 1986
29. Course materials: Class of 1989, 1985-1986 AY, Physiology, 1986

Box 14

1. Course materials: Class of 1989, 1985-1986 AY, Physiology, 1986
2. Course materials: Class of 1989, 1985-1986 AY, Physiology, 1986
3. Course materials: Class of 1989, 1985-1986 AY, Physiology, 1986
4. Course materials: Class of 1989, 1985-1986 AY, Physiology, 1986
5. Course materials: Class of 1989, 1985-1986 AY, Respiration & Renal Acid-Base, 1986
6. Course materials: Class of 1989, 1985-1986 AY, Respiration & Renal Acid-Base, 1986
7. Course materials: Class of 1989, 1985-1986 AY, Gastrointestinal & Endocrinology, 1986
8. Course materials: Class of 1989, 1985-1986 AY, Gastrointestinal & Endocrinology, 1986
9. Course materials: Class of 1989, 1985-1986 AY, Gastrointestinal & Endocrinology, 1986a
10. Course materials: Class of 1989, 1985-1986 AY, Gastrointestinal & Endocrinology, 1986
11. Course materials: Class of 1989, 1985-1986 AY, Gastrointestinal &

Endocrinology, 1986

Subseries 4. Course materials: Class of 1993

12. Course materials: Class of 1993, 1989-1990 AY, Physiology, 1990
13. Course materials: Class of 1993, 1989-1990 AY, Physiology, 1990
14. Course materials: Class of 1993, 1989-1990 AY, Physiology, 1990
15. Course materials: Class of 1993, 1989-1990 AY, Physiology, 1990
16. Course materials: Class of 1993, 1989-1990 AY, Physiology, 1990
17. Course materials: Class of 1993, 1989-1990 AY, Physiology, 1990
18. Course materials: Class of 1993, 1989-1990 AY, Physiology, 1990
19. Course materials: Class of 1993, 1989-1990 AY, Physiology, 1990
20. Course materials: Class of 1993, 1989-1990 AY, Physiology, 1990

Subseries 5. Course materials: Class of 2002

21. Course materials: Class of 2002, 1998-1999 AY, Physiology, 1999
22. Course materials: Class of 2002, 1998-1999 AY, Physiology, 1999

Box 15

1. Course materials: Class of 2002, 1998-1999 AY, Physiology, 1999
2. Course materials: Class of 2002, 1998-1999 AY, Physiology, 1999
3. Course materials: Class of 2002, 1998-1999 AY, Physiology, 1999
4. Course materials: Class of 2002, 1998-1999 AY, Physiology, 1999
5. Course materials: Class of 2002, 1998-1999 AY, Physiology, 1999
6. Course materials: Class of 2002, 1998-1999 AY, Physiology, 1999

Subseries 6. Course materials: Class of 2003

7. Course materials: Class of 2003, 1999-2000 AY, Physiology, 2000
8. Course materials: Class of 2003, 1999-2000 AY, Physiology, 2000
9. Course materials: Class of 2003, 1999-2000 AY, Physiology, 2000
10. Course materials: Class of 2003, 1999-2000 AY, Physiology, 2000
11. Course materials: Class of 2003, 1999-2000 AY, Physiology, 2000
12. Course materials: Class of 2003, 1999-2000 AY, Physiology, 2000
13. Course materials: Class of 2003, 1999-2000 AY, Physiology, 2000

Subseries 7. Course materials: Class of 2004

14. Course materials: Class of 2004, 2000-2001 AY, Physiology, 2001
15. Course materials: Class of 2004, 2000-2001 AY, Physiology, 2001
16. Course materials: Class of 2004, 2000-2001 AY, Physiology, 2001

17. Course materials: Class of 2004, 2000-2001 AY, Physiology, 2001

18. Course materials: Class of 2004, 2000-2001 AY, Physiology, 2001

19. Course materials: Class of 2004, 2000-2001 AY, Physiology, 2001

Subseries 8. Course materials: Class of 2005

20. Course materials: Class of 2005, Blocks I & II, Physiology, 2002

21. Course materials: Class of 2005, Blocks I & II, Physiology, 2002

22. Course materials: Class of 2005, Blocks I & II, Physiology, 2002

23. Course materials: Class of 2005, Blocks I & II, Physiology, 2002

24. Course materials: Class of 2005, Block III, Physiology, 2002

25. Course materials: Class of 2005, Block III, Physiology, 2002

Box 16

Subseries 9. Course materials: Class of 2006

1. Course materials: Class of 2006, Blocks I & II, Physiology, 2003

2. Course materials: Class of 2006, Blocks I & II, Physiology, 2003

3. Course materials: Class of 2006, Blocks I & II, Physiology, 2003

4. Course materials: Class of 2006, Blocks I & II, Physiology, 2003

5. Course materials: Class of 2006, Blocks I & II, Physiology, 2003

6. Course materials: Class of 2006, Blocks I & II, Physiology, 2003

7. Course materials: Class of 2006, Blocks I & II, Physiology, 2003

Subseries 10. Course materials: Class of 2007

8. Course materials: Class of 2007, Blocks I & II, Physiology, 2004

9. Course materials: Class of 2007, Blocks I & II, Physiology, 2004

10. Course materials: Class of 2007, Blocks I & II, Physiology, 2004

11. Course materials: Class of 2007, Blocks I & II, Physiology, 2004

12. Course materials: Class of 2007, Blocks III & IV, Physiology, 2004

13. Course materials: Class of 2007, Blocks III & IV, Physiology, 2004

Subseries 11. Course materials: Class of 2008

14. Course materials: Class of 2008, Blocks I & II, Physiology, 2005.

15. Course materials: Class of 2008, Blocks I & II, Physiology, 2005

16. Course materials: Class of 2008, Blocks I & II, Physiology, 2005

17. Course materials: Class of 2008, Blocks I & II, Physiology, 2005

18. Course materials: Class of 2008, Blocks I & II, Physiology, 2005

19. Course materials: Class of 2008, Blocks I & II, Physiology, 2005

20. Course materials: Class of 2008, Blocks III & IV, Physiology, 2005

21. Course materials: Class of 2008, Blocks III & IV, Physiology, 2005

Subseries 12. Course materials: Class of 2009

22. Course materials: Class of 2009, Blocks I & II, Physiology, 2006

23. Course materials: Class of 2009, Blocks I & II, Physiology, 2006

24. Course materials: Class of 2009, Blocks I & II, Physiology, 2006

25. Course materials: Class of 2009, Blocks I & II, Physiology, 2006

Box 17

1. Course materials: Class of 2009, Block III, Physiology, 2006

2. Course materials: Class of 2009, Block III, Physiology, 2006

3. Course materials: Class of 2009, Block III, Physiology, 2006

Subseries 13. Course materials: Class of 2010

4. Course materials: Class of 2010, Blocks I & II, Physiology, 2007

5. Course materials: Class of 2010, Blocks I & II, Physiology, 2007

6. Course materials: Class of 2010, Blocks I & II, Physiology, 2007

7. Course materials: Class of 2010, Blocks I & II, Physiology, 2007

8. Course materials: Class of 2010, Blocks I & II, Physiology, 2007

9. Course materials: Class of 2010, Blocks I & II, Physiology, 2007

10. Course materials: Class of 2010, Blocks III & IV, Physiology, 2007

11. Course materials: Class of 2010, Blocks III & IV, Physiology, 2007

12. Course materials: Class of 2010, Blocks III & IV, Physiology, 2007

13. Course materials: Class of 2010, Blocks III & IV, Physiology, 2007

Subseries 14. Course materials: Class of 2011

14. Course materials: Class of 2011, Blocks I & II, Physiology, 2008

15. Course materials: Class of 2011, Blocks I & II, Physiology, 2008

16. Course materials: Class of 2011, Blocks I & II, Physiology, 2008

17. Course materials: Class of 2011, Blocks I & II, Physiology, 2008

18. Course materials: Class of 2011, Blocks I & II, Physiology, 2008

19. Course materials: Class of 2011, Blocks III & IV, Physiology, 2008

20. Course materials: Class of 2011, Blocks III & IV, Physiology, 2008

Subseries 15. Course materials: Class of 2012

21. Course materials: Class of 2012, Physiology, 2009

22. Course materials: Class of 2012, Physiology, 2009

Subseries 16. Conferences

23. Conferences: 1996
24. Conferences: 1997
25. Conferences: 1998
26. Conferences: 1999
27. Conferences: 2000
28. Conferences: 2001

Box 18

1. Conferences: 2002
2. Conferences: 2003
3. Conferences: 2004
4. Conferences: 2005
5. Conferences: 2007
6. Conferences: 2008

Subseries 17. Research rotation projects

7. Research Rotation Projects, Spring & Summer, 1990
8. Research Rotation Projects, Fall & Spring, 1990 - 1991
9. Research Rotation Projects, Fall, Spring, Summer, 1992 - 1993
10. Research Rotation Projects, Fall, Spring, Summer, 1994 - 1995
11. Research Rotation Projects, Fall, Spring, Summer, 1995 - 1996
12. Research Rotation Projects, Fall, Spring, Summer, 1996 - 1997
13. Research Rotation Projects, Fall, Spring, Summer, 1997 - 1998
14. Research Rotation Projects, Fall, Spring, Summer, 1998 - 1999

Subseries 18. Physiology course: Spring 1974

15. Course materials: Renal Physiology: 03/13/1974 - 03/26/1974
16. Course materials: Respiration: 03/13/1974 - 04/05/1974
17. Course materials: 04/19/1974 - 04/23/1974
18. Course materials: Endocrinology: 04/25/1974 - 04/30/1974
19. Course materials: Reproduction and Endocrinology: 05/02/1974 - 05/09/1974
20. Course materials: Physiology quiz and final exam questions: 05/10/1974 – 05/15/1974

Subseries 19. Reports

21. End of Course Report-AY 2005/2006, Sections A-K
22. End of Course Report-AY 2005/2006, Sections L-S (end)

23. Physiology Course Report- AY 2005/2006, Sections A-K
24. Physiology Course Report- AY 2005/2006, Sections L-S (end)
25. Correspondence: Physiology Course critique: 1987

Subseries 20. Basic Science Academic Evaluation Board

26. Basic Science Academic Evaluation Board: 1993-1995

Series 11: Photographs and slides

Box 19

1. Photograph: Class of 2002, 1998-1999 AY
2. Slides: newsclips, pictures, and caricatures about UMass Medical School: Undated
3. Department of Physiology group photographs: 2007
4. Department of Physiology group photographs: 2008
5. Department of Physiology: photographs of Halloween pot luck: 2005
6. Department of Physiology: photographs of Sanderson's Lab party: undated
7. Department of Physiology: photographs of Christmas holiday party: undated
8. Department of Physiology group photographs: 1974 - 1983
9. Department of Physiology group photographs: 1984 - 1986
10. Department of Physiology group photographs: 1987 - 1989
11. Department of Physiology group photographs: 1990 - 1993
12. Department of Physiology group photographs: 1994 - 1996
13. Department of Physiology group photographs: 1997 - 1999
14. Department of Physiology group photographs: 2000 - 2003
15. Department of Physiology: photographs of holiday parties: c. 2000, 2001, 2005
16. Department of Physiology group photographs: 2004 - 2007
17. Flyer regarding tenure: "Let's hit this one out of the park": undated

Box 20

1. Photographs and Photograph contact sheets: 30th year symposium and Fred Fay Lecture: Worcester Foundation: 2000
2. Photographs: Physiology Department faculty, UMMC buildings, laboratory equipment
3. Photographs: Physiology Department faculty
4. Photographs: Physiology Department faculty
5. Photographs: Miscellaneous

6. Photograph Contact Sheets, Negatives, Miscellaneous photos
7. Photograph Contact Sheets, Negatives, Miscellaneous photos
8. Photograph Contact Sheets, Negatives, Miscellaneous photos
9. Department photographs: 1983 - 1987
10. Department of Physiology photographs: holiday party: 12-2001

Series 12: Artifacts and miscellaneous media

Box 21

1. Original key to UMass Medical School.
2. Videotapes: Fay Symposium: 09/26/1997
3. Floppy Disks