

ROBERT S. BRESSLER
CURRICULUM VITAE

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PERSONAL:

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Lander College of Arts and Sciences
Touro College
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Present Position: Professor and Chairman, Department of Biology, and Pre-Professional
Advisor
Undergraduate Chairman of Biology

EDUCATION:

School	Degree	Date
City College of New York	B.S.	1962
New York University Biology Dept., Bronx Campus	M.S.	1967
New York University Cell Biology Dept., Medical Center	Ph.D.	1970

(UNDERLINED ITEMS ARE PRESENT APPOINTMENTS)

<i>TEACHING EXPERIENCE</i>	<i>DATE</i>	<i>TITLE</i>	<i>COURSES TAUGHT</i>
Touro College Lander College of Arts and Sciences – Flatbush Campus Department of Biology	<u>9/06 –</u> <u>8-08 –</u> <u>5-02 –</u>	<u>Professor and Chairman, Pre-professional Advisor</u> <u>Undergraduate Chairman of Biology</u> <u>Professor</u>	<u>Anatomy and Physiology, Histology, Research Topics in Biology</u> <u>Senior Honors Research</u> <u>Responsible for all undergraduate Biology at Touro campuses</u>
School of Health Sciences – Manhattan Campus PA & PT programs	<u>5-98 -</u>	<u>Adjunct Professor</u>	<u>Embryology and Histology</u>
New York College of Podiatric Medicine	1/85 – 8/06 7/87 – 9/92 (Alternate years) 9/92 – 12/05 9/06 – 6-11 <u>6-11 -</u>	Professor of Anatomy Chairman, Anatomy Department Dean, of Basic Sciences Adjunct Professor <u>Professor Emeritus</u>	Gross Anatomy Histology Embryology " " " <u>"</u>
Mount Sinai School of Medicine Anatomy Dept. Pathology Dept.(at Elmhurst Hospital) Graduate Faculty, City University of New York (at Mount Sinai)	8/69 – 6/71 7/71 – 6/72 7/72 – 6/79 7/79 – 8/82 <u>9/89 –</u> 9/82 – 12/84 7/72 – 8/82	Instructor Associate Assistant Professor Associate Professor <u>Professorial Lecturer</u> Director, Ultrastructural Diagnostic Labs.	Gross Anatomy Cell Biology, Histology Embryology " " <u>Histology</u> Coincident rank & courses
New York University School of Medicine	9/67 – 8/69	Teaching Assistant	Histology & Ultrastructure

City college of New York Evening session	9/67 – 2/69	Lecturer	Microbiology
Baruch College Evening session	2/69 – 6/69	Lecturer	Gen. Biology
City College of New York	9/64-8/67	Lecturer	General Biology Comparative Anatomy Developmental Biology Microbiology Vertebrate Zoology
Pace College	6/64-7/64	Lecturer	General Biology
New York University University Heights Campus	9/63-8/64	Teaching Fellow	General Biology Mammalian Anatomy
City College of New York	9/62-8/63	Lecturer	General Biology

Miscellaneous:			
City College of New York Biology Department	1/75 – 6/75 & 1/77 – 6/78	Adjunct Assistant Professor	Gen. Biology Developmental Biology
	6/79 – 8/79	Adjunct Associate Professor	Gen. Biology
Sophie Davis School of Biomedical Sciences	2/82 – 8/85	Adjunct Associate Professor	Gross Anatomy & Embryology
	9/85 – 8/87	Adjunct Professor	Gross Anatomy Embryology
	9/01 – 1/04	Adjunct Professor	Gross Anatomy Histology
School of General Studies	9/65 – 6/75	Curricular Guidance Counselor	
New York Medical College	9/86 – 8/88	Adjunct Professor	Histology
New York College of Osteopathic Medicine	9/86 – 6/91	Visiting Professor	Gross Anatomy Embryology
State University of New York Health Sciences Center at Brooklyn Department of Anatomy & Cell Biology	1/87 – 6/87 & 9/88 – 1/89	Visiting Professor	Histology

PROFESSIONAL MEMBERSHIPS

- American Association of Anatomists
- American Society of Andrologists
- Federation American Societies for Experimental Biology

- International Association of Medical Sciences Educators
- Society for the Study of Reproduction

ADDITIONAL INFORMATION

1980 – 1998 Associate Editor, “The Anatomical Record”.

1983 – 1985 Chairman, Constitution and by-laws Committee,
American Society of Andrologists.

1985 – 1989 Member, National Podiatric Board of Examiners
Test Panel, Anatomy and Histology Committee

2004 - 2006 Member By-Laws Committee
International Association of Medical Science Educators

GRANTS

A) FUNDED

6/70 – 8/70 Principal Investigator, City University Research Foundation.
“Differentiation of Sertoli cells of the neonatal mouse testis
transplanted into adult animals.” \$1,500.00.

1974 – 1977 Co-investigator, N.I.H. Basic Sciences Research Grant to Mount Sinai
School of Medicine. “Effects of Testosterone and anti-testosterone
compounds on the postnatal development of the testis.” \$10,500.00.

10/78 – 8/79 Co-investigator, American Cancer Society. “Human
endometrial carcinoma cell cultures.” (with Dr. Erlio Gurpide)
\$13, 770.00.

B) APPROVED

(Not Funded)

June 1975. Principal Investigator, “Hormone control of postnatal testicular development.”
NIH RO1 HD10048-01.

July 1976. Principal Investigator, Ibid, Revised. NIH RO1 HD10048-01A1.

July 1976. Principal Investigator, “Development of the seminiferous tubule.” New York State
Health Planning Commission HRC 382.

October 1977. Project Center Grant, Principal Investigator for one project and Director of the
Morphology Core, “Progesterone actions on the reproductive system.”
Dr. Erlio Gurpide, Project Coordinator.

July 1980. Principal Investigator, “Sertoli-germ cell interaction in postnatal testis.” “NIH 1
R01 HD15303-01.

February 1981. Associate Investigator, “Effect of diabetes upon erectile impotence in rats.”
American Diabetes Association. Dr. Arnold Melman, P.I. Beth Isreal
Hospital.

LIST OF PUBLICATIONS

Robert S. Bressler

THESES

1. **Bressler, R.S.** (1967) The effects of hypophysectomy on regeneration in the Mexican Axotl (*Ambystoma mexicanum*). Masters thesis, Graduate School of Arts and Sciences, New York University.
2. **Bressler, R.S.** (1970) Differentiation and hormonal dependence of peritubular connective tissue in mouse testes; an electron microscopic study. Doctoral thesis, Graduate School of Arts and Sciences, New York University.

REFEREED PAPERS

1. **Bressler, R.S.** and Ross, M. H. (1972) Differentiation of peritubular myoid cells of the testis: Effects of intratesticular implantation of newborn mouse testes into normal and hypophysectomized adults. *Biol. Reprod.* 6: 148-159
2. Ekfors, T., Chang, W. W. L, **Bressler, R. S.** and Barka, T. (1972) Isoproterenol accelerates the postnatal differentiation of rat submandibular gland. *Dev. Biol.* 29: 38-47
3. Schuel, H., Wilson, W.L., **Bressler, R.S.**, Kelly, J.W. and Wilson, J.R. (1972) Purification of cortical granules from unfertilized sea urchin homogenates by zonal centrifugation. *Dev. Biol.* 29: 307-320
4. **Bressler, R.S.** and Ross, M.H. (1973) On the character of the monolayer outgrowth and the fate of the peritubular myoid cells in cultured mouse testis. *Exp. Cell Res.* 78: 295-302
5. **Bressler, R.S.** (1973) Fine structure of the differentiating acini in submandibular glands of isoproterenol treated rats. *Amer. J. Anat.* 138: 431-448
6. **Bressler, R.S.** (1973) Myoid cells in the capsule of the adrenal gland and in monolayers derived from cultured adrenal capsules. *Anat. Rec.* 177: 525-532
7. Schuel, H., Wilson, W.L., Wilson, J.R. and **Bressler, R.S.** (1975) Heterogeneous distribution of "Lysosomal" hydrolases in yolk platelets isolated from unfertilized sea urchin eggs by zonal centrifugation. *Dev. Biol.* 46: 404-412
8. **Bressler, R. S.** (1976) Dependence of Sertoli cell maturation on the pituitary gland in the mouse. *Amer. J. Anat.* 147: 447-436
9. Barasch, J.M. and **Bressler, R.S.** (1977) The effect on 5-bromodeoxyridine on the postnatal development of the rat testis. *J. Exp. Zool.* 200: 1-8
10. **Bressler, R.S.** (1977) A three dimensional model to demonstrate head and tail fold formation in mammalian embryos. *J. Med. Ed.* 52: 600-601
11. **Bressler, R.S.** and Lustbader, I.J. (1978) Effect of testosterone on development of the lumen in seminiferous tubules of the rat. *Andrologia.* 10: 291-298

12. Satyaswaroop, P.G., Flemming, H., **Bressler, R.S.** and Gurpide, E. (1978) Human endometrial cancer cell cultures for hormonal studies. *Canc. Res.* 38: 4367-4375
13. **Bressler, R.S.** and Satyaswaroop, P.G. (1978) Inhibition of canalization in rat seminiferous cords by medroxyprogesterone acetate. *Int. J. Androl.* 1: 371-377
14. **Bressler, R.S.** (1978) Hormonal control of postnatal maturation of the seminiferous cord. *Ann. Biol. Anim. Biochem. Biophys.* 18: 535-540
15. Satyaswaroop, P.G., **Bressler, R.S.** de la Pena, M. M. and Gurpide, E. (1979) Isolation and culture of human endometrial glands. *J. Clin. Endocr. Metab.* 48: 639-641
16. Holinka, C.F., **Bressler, R.S.**, Zehr, D.R. and Gurpide, E. (1980) Comparison of effects of estetrol and tamoxifen with those of estriol and estradiol on the immature rat uterus. *Biol. Reprod.* 22: 913-926
17. Melman, A., **Bressler, R.S.**, Henry, D.P. and Macado, V.K. (1981) Ultrastructure of Human penile erectile tissue in patients with abnormal norepinephrine content. *Inv. Urol.* 19: 46-48
18. Gilja, B.K., Kasambalides, E. J., **Bressler, R.S.**, Thung, S.W. and Gerber, M.A. (1985) Secretion of polyalbumin receptors in vitro. *J. Med. Virol.* 15: 335-341
19. **Bressler, R.S.** and C. H. Bressler (1991) Skin and superficial fascia of the foot. *J. Am. Pod. Med. Assoc.* 81: 379-383

BOOK CHAPTERS

1. **Bressler, R.S.** (1975) Possible boundary tissue function in isolated seminiferous tubules. In "Hormonal Regulation of Spermatogenesis." Edited by F.S. French, V. Hansson, E.M. Ritzen and S.N. Neyfeh. Plenum press, N.Y. pp. 509-511
2. Gurpide, E., Satyaswaroop, P.G., Flemming, H. and **Bressler, R. S.** (1979) Hormonal aspects of carcinoma of the endometrium. In "Advances in Medical Oncology, Research and Education, Vol. 8, Gynecological Cancer." Edited by N. Thatcher. Pergamon Press Oxford pp. 191-200
3. **Bressler, R.S.** (1982) Embryology of the heart. In: "Cardiac Problems in Pregnancy Diagnosis and Management of Maternal and Fetal Disease". Elkayam, U. and Gleicher, N., eds Alan R. Liss, Inc., N.Y. pp. 317-335
4. **Bressler, R.S.** and C. H. Bressler (1989) Functional Anatomy of the Skin. In "Clinics in Podiatric Medicine and Surgery: Nail Disorders". S.M. Nzuzi, T. M. DeLauro and R.G. Positano. Eds. Lea and Febiger, Philadelphia
5. **Bressler, R.S.** (1990) Embryology of the heart. In: "Cardiac Problems in Pregnancy, Diagnosis and Management of Maternal and Fetal Disease". Second edition. Elkayam, U. and Gleicher, N., eds. Alan R. Liss, Inc., N.Y.

SYLLABI

1. **Bressler, R.S.** (1986) General Anatomy Lecture Syllabus, New York College of Podiatric Medicine. N.Y., N.Y.
2. **Bressler, R.S.** (1986) Histology Laboratory Syllabus, New York College of Podiatric Medicine. N.Y., N. Y.
3. **Bressler, R.S.** (1987) Histology Lecture Syllabus, New York College of Podiatric Medicine.
N.Y., N. Y.

ABSTRACTS

1. **Bressler, R.S.** and Ross, M. H. (1969) Pituitary involvement in testicular peritubular cell maturation. *Anat. Rec.* 163: 158-159
2. Schuel, H., Wilson, W.L., **Bressler, R.S.**, Kelly, J.W., Wilson, J.R. and Severin, M. (1971) Purification of sea urchin egg cortical granules by zonal centrifugation. *Fed. Proc.* 30: 596
3. Schuel, H., Wilson, W., **Bressler, R.S.** and Wilson, J. R. (1971) Isolation of sea urchin egg cortical granules by zonal centrifugation. Eleventh Annual Meeting Soc. Cell Biology. p. 264
4. **Bressler, R.S.**, Chang, W.W.L. and Barka, T. (1972) The effect of isoproterenol on the postnatal development of rat submandibular gland. *Anat. Rec.* 172:276
5. Schuel, H., Lorand, L., Chen, K., Wilson, W.L., **Bressler, R.S.** and Wilson, J.R. (1972) Distribution of acid hydrolases in unfertilized sea urchin eggs. *J. Cell Biol.* 55: 232a
6. **Bressler, R.S.** (1975) Pituitary involvement in postnatal Sertoli cell development. *Anat. Rec.* 181: 524-525
7. **Bressler, R.S.** (1977) Testosterone accelerates seminiferous tubule development in the rat. *Anat. Rec.* 187: 761
8. **Bressler, R.S.** and Satyaswaroop, P.G. (1978) Effect of Depo-Provera (a progestin) on seminiferous tubule development. *Anat. Rec.* 190: 348
9. Satyaswaroop, P.G., **Bressler, R.S.** and Gulpide, E. (1978) Isolation, culture and ultrastructure of human endometrial glands; studies on progesterone metabolism. Sixtieth Annual meeting, Endocrine Society, Abst. No. 870
10. Melman, A., **Bressler, R.S.**, Henry, D. P. and Macado, V.K. (1980) Correlation of ultrastructure and norepinephrine content of the erectile tissue of potent and impotent men. American Urological Association Annual Meeting, Abst. No. 271

11. Holinka, C. F., **Bressler, R.S.** and Zehr, D.R. (1980) Biochemical and morphological effects of estetrol and tamoxifen on the immature rat uterus compared with those of estradiol and estriol. Sixty-second Annual Meeting Endocrine Society. Abst. No. 726
12. Gilja, B., Kasambalides, E., **Bressler, R.S.**, Thung, S. N. and Gerber, M.A. (1984) Secretion of Polyalbumin (PA) receptors in vitro. In, "Viral Hepatitis and Liver Disease" (Proceedings of 1984 International Symposium on Viral Hepatitis, San Francisco). Edited by Vyas, G.N., Dienstag, J.L. and Foofnagle, J., No. 9B.11 p. 687, Grune & Stratton, N.Y.

VIDEOTAPES

Bressler, R.S., Embryology Review Series. Produced by Mount Sinai School of Medicine.

1. Fertilization
2. Cleavage and Implantation
3. Bilaminar Germ Disc to Neurulation
4. Fate of the Mesoderm
5. Placenta
6. Development of the Heart
7. Development of the Arterial System
8. Development of the Venous System
9. Genitourinary System: Part 1 - Urinary
Part 2 - Genital

Bressler, R.S., Histology Review Series. Produced by Mount Sinai School of Medicine.

1. Cytology (1991)
2. Epithelia and Glands (1991)
3. Connective Tissues (1991)
4. Cartilage and Bone (1991)
5. Osteogenesis (1991)
6. Muscle (1991)
7. Nervous Tissue (1991)
8. Lymphatic System (1991)
9. Cardiovascular System (1991)
10. Digestive System I - Oral Cavity (1991)
11. Digestive System II – Esophagus, Stomach, and Intestines (1991)
12. Digestive System III – Liver, Gallbladder, and Pancreas (1991)
13. Respiratory System (1991)
14. Urinary System (1991)
15. Endocrine System (1976)
16. Male Reproductive Tract (1976)
17. Female Reproductive Tract (1991)