

CURRICULUM VITAE

Bert W. O'Malley, M.D.
Department of Molecular and Cellular Biology
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BIRTHPLACE: Pittsburgh, Pennsylvania

EDUCATION:

University of Pittsburgh	1955-1959	B.S.
University of Pittsburgh School of Medicine	1959-1963	M.D.
Duke University, Dept. Medicine	1963-1965	Internship & Residency
New York Medical College	6/5/79	D.Sc. (Honorary)
Karolinska Institutet, Stockholm, Sweden	5/29/84	M.D. (Honorary)
National University of Ireland	3/21/85	D.Sc. (Honorary)
University of Maryland	5/25/01	D.Sc. (Honorary)
University of Pennsylvania	5/18/08	D.Sc. (Honorary)
University of Pittsburgh	4/25/09	D.Sc. (Honorary)

RESEARCH AND PROFESSIONAL EXPERIENCE:

1973-present Tom Thompson Professor & Chairman, Dept. of Molecular and Cellular Biology and Director of the Baylor Center for Reproductive Biology, Baylor College of Medicine, Houston, TX
Professor of Medicine, Neuroscience and OB/GYN, BCM, Houston, TX

2003-present Associate Director of Basic Research, Dan L. Duncan Cancer Center, Baylor College of Medicine, Houston, TX

2003-present Associate Director for Basic Science, Dan L. Duncan Cancer Center, BCM, Houston, TX

1969-1973 Professor and Occupant of Lucius Birch Chair and Director of the Reproductive Biology Center, Vanderbilt University School of Medicine, Nashville, TN

1967-1969 Head, Molecular Biology Section, Endocrine Branch, NCI, NIH, Bethesda, MD

1965-1967 Clinical Associate, NCI, NIH, Bethesda, MD

1963-1965 Clinical Training in Internal Medicine, Dr. E.A. Stead, Duke University Hospital, Durham, NC

SOCIETIES:

National Academy of Sciences
Institute of Medicine (I.O.M. of N.A.S.)
Texas Academy of Medicine, Engineering and Science
American Academy of Arts and Sciences
American Academy of Microbiology
American Association for the Advancement of Science
American Association for Cancer Research
American Society for Biological Chemists
American Society for Cell Biology
American Society for Clinical Investigation
American Institute of Chemists
Endocrine Society
Federation for Clinical Research

Harvey Society

HONORS:

A.E.D., P.B.K., A.O.A. (Honor Societies)
Ernst Oppenheimer Award, American Endocrine Society, 1975
Gregory Pincus Memorial Medal, 1975
Lila Gruber Cancer Award, 1977
Distinguished Achievement in Modern Medicine Award, 1978
Borden Award, Association of American Medical Colleges, 1978
Dickson Prize in Medicine, 1979
Philip S. Hench Award, 1981 - University of Pittsburgh
Axel Munthe Award in Reproductive Biology, 1982 - Capri, Italy
British Endocrine Society Medal, 1983
Distinguished Service Professor, Baylor College of Medicine, 1985
Bicentennial Medallion of Distinction, University of Pittsburgh, 1987
Fred Conrad Koch Medal (Endocrine Society), 1988
D.R. Edwards Medal (Cardiff, Wales), 1989
Duke University Distinguished Alumni Award, 1991
Eastman Kodak Award (N.A.C.B.) 1992
Doisy Lects. Biochem. (University of Illinois) 1993
Election to Fellow of A.A.A.S., 1995
William L. McGuire Memorial Lecture Award (University of Texas HSC, San Antonio) 1995
Baylor College of Medicine Distinguished Faculty Award, 1996
Fellow, American Academy of Microbiology, 1997
Sterling LCS (Boston), 1997
University of Maryland 2nd Annual Pharmacology Lecture Award, 1998
8-Stranded Beta-Barrel Jelly roll Award, 1998-99, 2001-02, 2003-04
Endocrine Transatlantic Medalist, U.K. Society for Endocrinology, Belfast, Ireland, 2001
Rodbell Award, NIH/NIEHS, 2001
Antonio Feltrinelli International Prize for Biology 2001
International Brinker Award in Breast Cancer Research 2001
Induction into the Royal Academy of Medicine (IRE) 2003
George W. Beadle Award 2003
Solomon Berson L. Ad. (Amer. Phy. Soc., 2004)
The Academy of Medicine, Engineering and Sciences of Texas, 2004
Pioneer Award, Woods Hole, 2005
Biolink Scientist of the Year Award, 2006
Vanderbilt Distinguished Medical Award (Alumni Assoc.), 2006
Bowman Distinguished Geneticist Award (Texas), 2006
Pasarow Award in Cancer Research, 2006
Carl G. Hartman Award (SSR: 2007)
Pink Ribbon Hero Award for Cancer Research, 2007
Legacy Laureate, University of Pittsburgh, 2007
National Medal of Science (Sept., 2008)
Steven C. Beering Award, Indiana University School Medicine (March, 2009)

DISTINGUISHED SERVICE:

Endocrinology Study Section, NIH - 1970-1973
Chairman, Endocrinology Study Section, NIH - 1973-1974
Chairman, Gordon Research Conference on Hormone Action - 1975
Counsel, The Endocrine Society, 1975-1978
Chairman, CETUS-UCLA Symposium on Gene Expression - 1982
President The Endocrine Society, 1984
Chairman, AACR Conference in Cancer Research "Steroid Receptors, 1990
Transcription Factors, and Gene Expression" (San Diego, CA) 1990
Co-Organizer, Keystone Symposium "Steroid/Thyroid, Receptor" (Tamarron, Colorado), 1992
Organizer, NICHD Molecular Endocrinology Workshop (Houston, Texas), 1996
Elected, At-Large Member of the Council of the Gordon Research Conference, 1998

Chairman, Class Section, National Academy of Sciences, 2001-2004

PATENTS:

1. **No.5,298,422** - 03/29/94 "Myogenic Vector Systems" by Robert J. Schwartz, Franco J. DeMayo and Bert W. O'Malley
2. **No.5,364,791** - 11/15/94 "Progesterone Receptor Having C. Terminal Hormone Binding Domain Truncations", by Elizabetta Vegeto, Donald McDonnell, and Bert W. O'Malley - licensed to GeneMedicine, Inc. & Ligand Pharmaceuticals, Inc.
3. **No. 5,571,691** - 11/05/96 "Production of Recombinant Lactoferrin and Lactoferrin Polypeptides Using cDNA Sequences in Various Organisms" by Orla M. Conneely, Denis R. Headon, Bert W. O'Malley and Gregory S. May, licensed to Agennix
4. **No.5,571,697** - 11/05/96 "Expression of Processed Recombinant Lactoferrin and Lactoferrin Polypeptide Fragments from a Fusion Product in Aspergillus" by Orla M. Conneely, Denis R. Headon and Bert W. O'Malley, licensed to Agennix
5. **No.5,571,896** - 11/05/96 "Production of Recombinant Human Lactoferrin" by Orla M. Conneely, Denis R. Headon, Bert W. O'Malley and Gregory S. May, licensed to Agennix
6. **No.5,756,264** - 05/26/98 "Expression Vector Systems and Method of Use, Robert J. Schwartz, Franco J. DeMayo and Bert W. O'Malley
7. **No.5,759,785** - 06/02/98 "Method of Identifying Hormone Antagonists and Agonists" by Ming-Jer Tsai, Bert W. O'Malley, Sophia Y. Tsai and George Allan
8. **No.5,766,939** - 06/16/98 "Production of Recombinant Lactoferrin and Lactoferrin Polypeptides Using cDNA Sequences in Various Organisms" Orla M. Conneely, Denis R. Headon, Bert W. O'Malley and Gregory S. May
9. **No.5,834,213** - 11/10/98 "Screening System and Assay for Identifying Compounds that Regulate Steroid and Orphan Receptors Mediation of DNA Transcription" Bert W. O'Malley, Orla M. Conneely and Ronan F. Power
10. **No.5,849,477** - 12/15/98 "Assays of COUP-Transcription Factor Interactions in Mammalian Systems" Bert W. O'Malley, Ming-Jer Tsai, Lee-Ho Wang and Sophia Yang Tsai
11. **No.5,849,881** - 12/15/98 "Production of Recombinant Lactoferrin and Lactoferrin Polypeptides Using cDNA Sequences in Various Organisms", Orla M. Conneely, Denis R. Headon, Bert W. O'Malley and Gregory S. May
12. **No.5,874,534** - 02/99 "Mutated Steroid Hormone Receptors: Methods for Their Use and Molecular Switch for Gene Therapy" Elizabetta Vegeto, Donald P. McDonnell, Bert W. O'Malley, William T. Schrader and Ming-Jer Tsai
13. **No.5,925,564** - 7/20/99 "Expression Vector Systems and Method of Use" Robert J. Schwartz, Franco J. DeMayo, and Bert W. O'Malley
14. **No.5,935,934** - 8/10/99 "Mutated Steroid Hormone Receptors, Methods for Their Use and Molecular Switch for Gene Therapy" Elizabetta Vegeto, Donald P. McDonnell, Bert W. O'Malley, William T. Schrader and Ming-Jer Tsai
15. **No.5,945,279** - 8/31/99 "Screening System for Identifying Compounds that Regulate Steroid and Orphan Receptors Mediation of DNA Transcription" Bert W. O'Malley, Orla M. Conneely, and Ronan F. Power
16. **No.5,955,316** - 9/21/99 "Expression of processed recombinant lactoferrin and lactoferrin polypeptide fragments from a fusion product in aspergillus" Orla M. Conneely, Denis R. Headon and Bert W. O'Malley
17. **No.6,080,559** - 6/27/00 "Expresion of processed recombinant lactoferrin and lactoferrin polypeptide fragments from a fusion product in aspergillus" Orla M. Conneely, Denis R. Headon and Bert W. O'Malley.
18. **No.6,100,054** - 8/2/00 "Production for recombinant lactoferrin and lactoferrin polypeptides using DNA sequences in various organisms" Orla M. Conneely, Denis R. Headon, Bert W. O'Malley, and Gregory S. May.
19. **No.6,107,092** - 8/22/00 "Antisense modulation of SRA expression" Lex M. Cowser, C. Frank Bennett, Bert W. O'Malley
20. **No.6,228,614** - 5/8/01 "Production of recombinant lactoferrin and lactoferrin polypeptides using cDNA sequences in various organisms" Orla M. Conneely, Denis R. Headon, Bert W. O'Malley, Gregory S. May
21. **No.6,380,373** - 4/30/02 "Steroid receptor coactivator compositions and methods of use" Bert W. O'Malley, Ming-Jer Tsai, Sophia Y. Tsai, Sergio A. Onate
22. **No.6,635,447** - 10/21/03 "Production of recombinant lactoferrin and lactoferrin polypeptides using cDNA sequences in various organisms" Orla M. Conneely, Denis R. Headon, Bert W. O'Malley

PUBLICATIONS:

Over 700 items involving primarily studies of the molecular mechanism of steroid hormone action; structure and function of nuclear receptors; hormonal regulation of gene expression; and signal transduction to transcriptional coregulators; and mechanisms of coactivator action and turnover in physiological and pathological processes.

JOURNAL PUBLICATIONS:

O'Malley, B.W. and J.B. Field. Effects of ions and metabolic inhibitors on thyroid-stimulating hormone stimulation of glucose oxidation in thyroid slices. *Biochim. Biophys. Acta* 90:349-56, 1964.

Mengel, C.E., B.N. Hyman, **B.W. O'Malley** and D.A. Howell. Coexistent paroxysmal nocturnal and cold hemoglobinuria preceded by aplastic anemia: a case report and family study. *Blood* 24:451-457, 1964.

Mengel, C.E., B.N. Hyman, **B.W. O'Malley** and D.A. Howell. Rheumatic fever and rheumatic heart disease in the Americas. *Bol. Oficina Sanit Panam.* 57:309-20 (Spanish), 1964.

Mengel, C.E., B.N. Hyman, **B.W. O'Malley** and D.A. Howell. Rheumatic fever in the Americas. *Bol. Oficina Sanit Panam.* 57:321-8, 1964.

Mengel C.E., B.N. Hyman, **B.W. O'Malley** and D.A. Howell. 1st Latin American Seminar on occupational health. *Bol. Oficina Sanit Panam.* 57:329-36, 1964.

Mengel, C.E., H.E. Kann, Jr. and **B.W. O'Malley**. Increased hemolysis after intramuscular iron administration in patients with paroxysmal nocturnal hemoglo-biuria. *Blood* 26:74-81, 1965.

Mengel, D.C., L.G. Zirkle, **B.W. O'Malley**, and B.W. Horton. Studies of the mechanism of *in vivo* RBC damage by oxygen. *Aerospace Med.* 36:1036-41, 1965.

O'Malley, B.W. and H.J. Zeff. Disseminated bone tuberculosis without pulmonary manifestations. *Amer. J. Med.* 38:932-6, 1965.

O'Malley, B.W. and M.B. Lipsett. Urinary ketosteroids in the Rhesus monkey. *Steroids* 8:711-8, 1966.

O'Malley, B.W., C.E. Mengel, W.D. Meriwether and L.G. Zirkle, Jr. Inhibition of erythrocyte acetylcholinesterase by peroxides. *Biochemistry* 5:40-4, 1966.

Kohler, P.O. and **B.W. O'Malley**. Estrogen-induced morphologic changes in monolayer cultures of immature chick oviduct. *Endocrinology* 81:1422, 1967.

Kohler, P.O., **B.W. O'Malley**, P.L. Rayford, M.B. Lipsett and W.D. Odell. Effect of pyrogen on blood levels of pituitary trophic hormones. Observations of the usefulness of the growth hormone response in the deletion of pituitary disease. *J. Clin. Endocrinol. Met.* 27(2):219-26, 1967.

Korenman, S.G. and **B.W. O'Malley**. Avidin assay: a new procedure suitable for tissue fractions. *Biochim. Biophys. Acta* 140:174, 1967.

Kulin, H.E., P.O. Kohler, **B.W. O'Malley** and W.D. Odell. Thyroid stimulating hormone in thyroid dysgenesis. *J. Pediat.* 71:714, 1967.

O'Malley, B.W. *In vitro* hormonal induction of a specific protein (avidin) in chick oviduct. *Biochemistry* 6(8):2546-51, 1967.

O'Malley, B.W. and P.O. Kohler. Hormonal induction of specific proteins in chick oviduct cell cultures. *Biochem. Biophys. Res. Commun.* 28(1):1-7, 1967.

O'Malley, B.W. and P.O. Kohler. Studies on steroid regulation of synthesis of a specific oviduct protein in a new monolayer culture system. *Proc. Natl. Acad. Sci.* 58:2359, 1967.

O'Malley, B.W. and S.G. Korenman. Studies on the mechanism of hormone induction of a specific protein. Immunological identity and kinetic studies of avidin synthesized *in vitro* by the chick oviduct. *Life Sci.* 6:1953, 1967.

O'Malley, B.W., M.B. Lipsett and M.A. Jackson. Steroid content and synthesis of a virilizing luteoma. *J. Clin. Endocrinol. Metab.* 27(3):311-19, 1967.

O'Malley, B.W., W.L. McGuire and S.G. Korenman. Estrogen stimulation of synthesis of specific proteins and RNA polymerase activity in the immature chick oviduct. *Biochim. Biophys. Acta* 145(1):204-7, 1967.

O'Malley, B.W., W.L. McGuire and P.A. Middleton. Structure-function relationships of various steroids relative to induction of specific oviduct protein (avidin). *Endocrinology* 81(3):677-8, 1967.

O'Malley, B.W. and C.E. Mengel. Effects of *in vivo* hyperoxia on erythrocytes. V. Changes of RBC glycolytic intermediates in mice after *in vivo* oxygen under high pressure. *Blood* 29:196202, 1967.

Kohler, P.O., P.M. Grimly and **B.W. O'Malley**. Protein synthesis: differential stimulation of cell-specific proteins in epithelial cells of chick oviduct. *Science* 160:86, 1968.

Korenman, S.G. and **B.W. O'Malley**. Progesterone action: regulation of avidin biosynthesis by hen oviduct *in vivo* and *in vitro*. *Endocrinology* 83:11, 1968.

McGuire, W.L. and **B.W. O'Malley**. Ribonucleic acid polymerase activity of the chick oviduct during steroid-induced synthesis of a specific protein. *Biochim. Biophys. Acta* 157:187, 1968.

O'Malley, B.W., A. Aronow, A.C. Peacock and C.W. Dingman. Estrogen-dependent increase in transfer RNA during differentiation of the chick oviduct. *Science* 162:567, 1968.

O'Malley, B.W., M.A. Kirschner and C.W. Bardin. Estimation of plasma androgenic and progestational steroids in the laying hen. *Proc. Soc. Exp. Biol. Med.* 127:521, 1968.

O'Malley, B.W. and P.O. Kohler. Hypoparathyroidism I. *Postgrad Med.* 44:71, 1968.

O'Malley, B.W. and P.O. Kohler. Hypoparathyroidism II. *Postgrad Med.* 44:182, 1968.

O'Malley, B.W. and P.O. Kohler. Hypoparathyroidism III. *Postgrad Med.* 44:77, 1968.

O'Malley, B.W. and W.L. McGuire. Studies on the mechanism of action of progesterone in regulation of the synthesis of a specific protein. *J. Clin. Invest.* 47:654, 1968.

O'Malley, B.W. and W.L. McGuire. Changes in hybridizable nuclear RNA during progesterone induction of a specific oviduct protein. *Biochem. Biophys. Res. Commun.* 32:595, 1968.

O'Malley, B.W. and W.L. McGuire. Studies on the mechanism of estrogen-mediated tissue differentiation: regulation of nuclear transcription and induction of new RNA species. *Proc. Natl. Acad. Sci.* 60:1527, 1968.

O'Malley, B.W., W.L. McGuire and P.A. Middleton. Altered gene expression during differentiation: population changes in hybridizable RNA after stimulation of the chick oviduct with oestrogen. *Nature* 218:1249, 1968.

Dingman, C.W., A. Aronow, S.L. Bunting, A.C. Peacock and **B.W. O'Malley**. Changes in chick oviduct RNA following hormonal stimulation. *Biochemistry* 8:489, 1969.

Kohler, P.O., P.M. Grimley and **B.W. O'Malley**. Estrogen-induced cytodifferentiation of the ovalbumin-secreting glands of the chick oviduct. *J. Cell Biol.* 40:8, 1969.

- O'Malley, B.W.** Hormonal regulation of nucleic acid and protein synthesis. *Trans. N.Y. Acad. Sci.* 31:478, 1969.
- O'Malley, B.W.** and W.L. McGuire. Progesterone-induced synthesis of a new species of nuclear RNA. *Endocrinology* 84:63, 1969.
- O'Malley, B.W.**, W.L. McGuire, P.O. Kohler and S.G. Korenman. Studies on the mechanism of steroid hormone regulation of synthesis of specific proteins. *Recent Prog. Hormone Res.* 25:105, 1969.
- Cohen, S., **B.W. O'Malley** and M. Stastny. Estrogenic induction of ornithine decarboxylase *in vivo* and *in vitro*. *Science* 170, 336, 1970.
- Kissell, J.H., M.G. Rosenfeld, L.R. Chase and **B.W. O'Malley**. Response of chick oviduct adenyl cyclase to steroid hormones. *Endocrinology* 86:1019, 1970.
- O'Malley, B.W.** Steroid hormones and the synthesis of specific proteins. *Excerpta Medica Int'l. Congress* 219:455, 1970.
- O'Malley, B.W.**, M.R. Sherman and D.O. Toft. Progesterone "receptors" in the cytoplasm and nucleus of chick oviduct target tissue. *Proc. Natl. Acad. Sci.* 67:501, 1970.
- Rosenfeld, M.G. and **B.W. O'Malley**. Steroid hormones: effects on adenyl cyclase activity and adenosine 3', 5'-monophosphate levels in target tissues. *Science* 168:253, 1970.
- Rosenfeld, M.G., J.H. Kissell and **B.W. O'Malley**. Progesterone effects on adenyl cyclase activity and cyclic adenosine 3', 5'-monophosphate levels in the chick oviduct. *Cytobios* 5:33, 1970.
- Sherman, M.R., P.L. Corvol and **B.W. O'Malley**. Progesterone-binding components of chick oviduct. I. Preliminary characterization of cytoplasmic components. *J. Biol. Chem.* 245:6085, 1970.
- Kapadia, G., A.R. Means and **B.W. O'Malley**. Rapidly labeled RNA synthesis in isolated oviduct cells: effects of steroid hormones. *Cytobios* 3:33, 1971.
- Leung, B.S., A.R. Means and **B.W. O'Malley**. Effect of cyclic adenosine 3', 5' monophosphate on the incorporation of ³H-leucine into polypeptides by beef thyroid polysomes *in vitro*. *Endocrinology* 89:70, 1971.
- Means, A.R., I.B. Abrass and **B.W. O'Malley**. Protein biosynthesis on chick oviduct polyribosomes. I. Changes during estrogen-mediated tissue differentiation. *Biochemistry* 10:1561, 1971.
- Means, A.R., J.P. Comstock and **B.W. O'Malley**. Isolation of protein factors from oviduct polysomes which stimulate protein synthesis. *Biochem. Biophys. Res. Commun.* 45:759, 1971.
- Means, A.R. and **B.W. O'Malley**. Protein biosynthesis on chick oviduct polyribosomes. II. Regulation by progesterone. *Biochemistry* 10:1570, 1971.
- O'Malley, B.W.** Mechanisms of action of steroid hormones. *New Engl. J. Med.* 284:370, 1971. (A Review)
- O'Malley, B.W.**, D.O. Toft and M.R. Sherman. Progesterone-binding components of chick oviduct. II. Nuclear components. *J. Biol. Chem.* 246:1117, 1971.
- Spelsberg, T.C., A.W. Steggle and **B.W. O'Malley**. Changes in chromatin composition and hormone binding during chick oviduct development. *Biochim. Biophys. Acta* 254:129, 1971.
- Spelsberg, T.C., A.W. Steggle and **B.W. O'Malley**. Progesterone-binding components of chick oviduct. III. Chromatin acceptor sites. *J. Biol. Chem.* 246:4188, 1971.
- Steggles, A.W., T.C. Spelsberg, S.R. Glasser and **B.W. O'Malley**. Soluble complexes between steroid hormones and target-tissue receptors bind specifically to target-tissue chromatin. *Proc. Natl. Acad. Sci.* 68:1479, 1971.

- Steggles, A.W., T.C. Spelsberg and **B.W. O'Malley**. Tissue specific binding *in vitro* of progesterone-receptor to the chromatins of chick tissue. *Biophys. Res. Commun.* 43:20, 1971.
- Comstock, J.P., **B.W. O'Malley** and A.R. Means. Stimulation of cell-free poly-peptide synthesis by a protein fraction extracted from chick oviduct polyribosomes. *Biochemistry* 11:646, 1972.
- Comstock, J.P., G.C. Rosenfeld, **B.W. O'Malley** and A.R. Means. Estrogen-induced changes in translation and specific mRNA levels during oviduct differentiation. *Proc. Natl. Acad. Sci. USA* 69:2377, 1972.
- Feil, P.D., S.R. Glasser, D.O. Toft and **B.W. O'Malley**. Progesterone binding in the mouse and rat uterus. *Endocrinology* 91:738, 1972.
- Means, A.R., J.P. Comstock, G.C. Rosenfeld and **B.W. O'Malley**. Ovalbumin messenger RNA of chick oviduct: partial characterization, estrogen dependence and translation *in vitro*. *Proc. Natl. Acad. Sci. USA* 69:1146, 1972.
- Means, A.R. and **B.W. O'Malley**. Mechanism of estrogen action: early transcriptional and translational events. *Metabolism* 21:357, 1972.
- O'Malley, B.W.**, G.C. Rosenfeld, J.P. Comstock and A.R. Means. Steroid hormone induction of a specific translatable messenger RNA. *Nature New Biol.* 240:45, 1972.
- O'Malley, B.W.** and W.T. Schrader. Progesterone receptor components: identification of subunits binding to the target-cell genome. *J. Steroid Biochem.* 3:617, 1972.
- O'Malley, B.W.**, T.C. Spelsberg, W.T. Schrader, F. Chytil and A.W. Steggles. Mechanisms of interaction of a hormone-receptor complex with the genome of a eukaryotic target cell. *Nature*:235:141-144, 1972.
- Rosenfeld, G.C., J.P. Comstock, A.R. Means and **B.W. O'Malley**. Estrogen-induced synthesis of ovalbumin messenger RNA and its translation in a cell-free system. *Biochem. Biophys. Res. Comm.* 46:1695, 1972.
- Rosenfeld, G.C., J.P. Comstock, A.R. Means and **B.W. O'Malley**. A rapid method for the isolation and partial purification of specific eucaryotic messenger RNA's. *Biochem. Biophys. Res. Commun.* 47:387, 1972.
- Schrader, W.T. and **B.W. O'Malley**. Progesterone-binding components of chick oviduct. IV. Characterization of purified subunits. *J. Biol. Chem.* 247:51, 1972.
- Schrader, W.T., D.O. Toft and **B.W. O'Malley**. Progesterone-binding protein of chick oviduct. VI. Interaction of purified progesterone-receptor components with nuclear constituents. *J. Biol. Chem.* 247:2401, 1972.
- Spelsberg, T.C., A.W. Steggles, F. Chytil and **B.W. O'Malley**. Progesterone-binding components of chick oviduct. V. Exchange of progesterone-binding capacity from target to nontarget tissue chromatins. *J. Biol. Chem.* 247:1368, 1972.
- Toft, D.O. and **B.W. O'Malley**. Target tissue receptors for progesterone: the influence of estrogen treatment. *Endocrinology* 90:1041, 1972.
- Chan, L., A.R. Means and **B.W. O'Malley**. Rates of induction of specific translatable mRNAs for ovalbumin and avidin by steroid hormones. *Proc. Natl. Acad. Sci. USA* 70:1870, 1973.
- Harris, S.E., A.R. Means, W.M. Mitchell and **B.W. O'Malley**. Synthesis of [³H]DNA complementary to ovalbumin messenger RNA: evidence for limited copies of the ovalbumin gene in chick oviduct. *Proc. Natl. Acad. Sci. USA* 70:3776, 1973.
- Liarakos, C.D., J.M. Rosen and **B.W. O'Malley**. Effect of estrogen on gene expression in the chick oviduct. II. Transcription of chick tritiated unique DNA as measured by hybridization in RNA excess. *Biochemistry* 12:2809, 1973.

- Rosen, J.M., C.D. Liarakos and **B.W. O'Malley**. Effect of estrogen on gene expression in the chick oviduct. I. DNA-DNA renaturation studies. *Biochemistry* 12:2803, 1973.
- Socher, S.H. and **B.W. O'Malley**. Estrogen-mediated cell proliferation during chick oviduct development and its modulation by progesterone. *Develop. Biol.* 30:411, 1973.
- Spelsberg, T.C., W.M. Mitchell, F. Chytil, E.M. Wilson and **B.W. O'Malley**. Chromatin of the developing chick oviduct: changes in the acidic proteins. *Biochim. Biophys. Acta* 312:765, 1973.
- Leavitt, W.W., D.O. Toft, C.A. Strott and **B.W. O'Malley**. A specific progesterone receptor in the hamster uterus: physiologic properties and regulation during the estrous cycle. *Endocrinology* 94:1041, 1974.
- O'Malley, B.W.** and A.R. Means. Female steroid hormones and target cell nuclei. *Science* 183:610, 1974.
- Rosen, J.M., S.E. Harris, G.C. Rosenfeld, C. Liarakos and **B.W. O'Malley**. Effect of estrogen on gene expression in the chick oviduct. III. Hybridization studies with [³H] messenger RNA and [³H] complementary DNA under conditions of DNA excess. *Cell Diff.* 3:103, 1974.
- Schrader, W.T., R.E. Buller, R.W. Kuhn and **B.W. O'Malley**. Molecular mechanisms of steroid hormone action. *J. Steroid Biochem.* 5:989, 1974.
- Smith, H.E., R.G. Smith, D.O. Toft, J.R. Neergaard, E.P. Burrows and **B.W. O'Malley**. VII. Binding of steroids to progesterone receptor proteins in chick oviduct and human uterus. *J. Biol. Chem.* 249:5924, 1974.
- Woo, S.L.C., S.E. Harris, J.M. Rosen, L. Chan, P.J. Sperry, A.R. Means and **B.W. O'Malley**. Use of Sepharose 4B for preparative scale fractionation of eucaryotic messenger RNAs. *Prep. Biochem.* 4:555, 1974.
- Buller, R.E., W.T. Schrader and **B.W. O'Malley**. Progesterone-binding components of chick oviduct. IX. The kinetics of nuclear binding. *J. Biol. Chem.* 250:809, 1975.
- Buller, R.E., D.O. Toft, W.T. Schrader and **B.W. O'Malley**. Progesterone-binding components of chick oviduct: VIII. Receptor activation and hormone dependent binding to purified nuclei. *J. Biol. Chem.* 250:801, 1975.
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