

## CURRICULUM VITAE

**NAME:** Sally Radovick

**WORK ADDRESS:** Division of Endocrinology  
Department of Pediatrics  
200 North Wolfe Street – Suite 3125  
Johns Hopkins Medical Institutes  
Baltimore, MD 21287-2520  
Tel: 410-955-6463  
Fax: 410-955-9773  
E-mail: sradovick@jhmi.edu

**PLACE OF BIRTH:** Youngstown, Ohio

**MARITAL STATUS:** Married, two children

### EDUCATION:

1977 B.A., Youngstown State University, Biology/Chemistry (cum laude)  
1978 M.S., Youngstown State University, Theoretical Chemistry (cum laude)  
1983 M.D., Northeastern Ohio Universities College of Medicine

### POSTDOCTORAL TRAINING:

#### Internship and Residency:

1983-84 Internship, Case Western Reserve University  
Rainbow Babies and Children's Hospital, Cleveland, OH  
1984-86 Residency, Case Western Reserve University  
Rainbow Babies and Children's Hospital, Cleveland, OH

#### Clinical and Research Fellowships:

1986-1989 Pediatric Endocrinology Fellow, Developmental Endocrinology Branch,  
National Institute of Child Health and Human Development,  
National Institutes of Health, Bethesda, MD  
1989-1990 Senior Staff Fellow, Molecular Cellular Endocrinology Branch,  
National Institute of Diabetes, Digestive and Kidney Diseases,  
National Institutes of Health, Bethesda, MD

### ACADEMIC APPOINTMENTS:

1990-1992 Assistant Professor of Pediatrics,  
Case Western Reserve University School of Medicine, Cleveland, OH  
1992-1998 Assistant Professor of Pediatrics, Harvard Medical School, Boston, MA  
1998-2000 Associate Professor of Pediatrics, Harvard Medical School, Boston, MA  
1999-2000 Director, Harvard Scientist Training Program, MEMP, Ph.D.  
Clerkship, Harvard Medical School, Boston, MA  
2000-2005 Professor of Pediatrics (with tenure),  
The University of Chicago, Chicago, IL

2004-2005 Director, NIH T32 Training Program in Pediatric Endocrinology,  
The University of Chicago, Chicago, IL

2005-2005 Mary Campau Ryerson Professor of Pediatrics,  
The University of Chicago, Chicago, IL

2005- Lawson Wilkins Professor of Pediatrics,  
Johns Hopkins University, Baltimore, MD

2005- Director, T32 Training Program in Endocrinology,  
Johns Hopkins Medical Institutes, Baltimore, MD

#### **HOSPITAL APPOINTMENTS:**

1990-1992 Assistant in Pediatric Endocrinology,  
University Hospitals of Cleveland, Cleveland, OH

1992-2000 Associate in Pediatric Endocrinology, Children's Hospital, Boston, MA

1992-2000 Director, Reproductive Endocrinology Unit, Children's Hospital, Boston, MA

1997-2000 Director, Endocrine Clinical Laboratory, Children's Hospital, Boston, MA

2000-2005 Chief, Section of Endocrinology, Department of Pediatrics,  
The University of Chicago Children's Hospital, Chicago, IL

2005- Director, Division of Endocrinology, Department of Pediatrics,  
Johns Hopkins Medical Institutes, Baltimore, MD

#### **LICENSURE AND CERTIFICATION:**

1983- National Board of Medical Examiners

1983- Ohio License Registration in Medicine

1988- Diplomat, American Board of Pediatrics

1989- Diplomat, American Board of Pediatrics,  
subspecialty - Endocrinology and Metabolism

1992- Massachusetts License Registration in Medicine

2000- Illinois License Registration in Medicine

2005- Maryland License Registration in Medicine

#### **AWARDS AND HONORS:**

1986 Research Award, Department of Pediatrics,  
Case Western Reserve University.

1986-1989 National Research Science Award, National Institute of Child Health and  
Human Development, National Institute of Health, Bethesda, MD.

1990 Griff T. Ross Award, Award for Reproductive Endocrinology,  
Endocrine Society, June 1990.

1991 Young Investigator Award, Society for Pediatric Research.

1993-2000 Center Investigator, Reproductive Endocrine Sciences Center of the  
Massachusetts General Hospital.

1994 Knoll Award Finalist, Endocrine Society, June 1994.

1998 Knoll Award Finalist, Endocrine Society, June 1998.

2000 Knoll Award Finalist, Endocrine Society, June 2000.

2001- The Best Doctors in America," Woodward/White, Aiken, SC

#### **RESEARCH INTERESTS:**

1. Regulation of the gonadotropin-releasing hormone (GnRH) gene by sex steroids, neurotransmitters, and growth factors.
2. The molecular basis of hypogonadotropic hypogonadism.
3. The developmental biology of hypothalamic and pituitary neuroendocrine cells.
4. The molecular basis of hypopituitarism.
5. Prevention of obesity and diabetes in children.

### **RESEARCH DESCRIPTION:**

My research is focused on the development and function of gonadotropin-releasing hormone (GnRH) neuron. GnRH has a central role in reproduction by controlling pituitary secretion of luteinizing hormone and follicle stimulating hormone, which in turn regulate the synthesis of gonadal estrogen and androgen. Initial studies included cloning the human GnRH gene and determining its transcriptional start site. Since studies of GnRH gene expression had been hampered by the lack of an appropriate cell line in which to study regulation of GnRH, my laboratory established and characterized GnRH-secreting cell lines from hypothalamic tumors in transgenic mice bearing the GnRH/SV40 T antigen fusion gene. We have recently developed a model in which oncogene expression can be regulated. In addition, we determined the cell-specific elements in the GnRH gene in the hypothalamus and ovary using transgenic mice bearing GnRH-luciferase transgenes. Transcription factors that control GnRH gene expression, including Brn-2 and Oct-1, have been elucidated.

A large focus of my work now has turned to studying intracellular signaling pathways within the GnRH neuron. Estradiol has a major role in the negative regulation of the central reproductive axis; however its mechanism of action is unclear. We have generated “floxed” ER- $\alpha$  and ER- $\beta$  mice for the purpose of studying the level and mechanism of central control of the reproduction in vivo. In a separate line of investigation, my laboratory has shown that insulin and insulin-like growth factor (IGF-1) receptors are present on GnRH neurons and their activation results in increased transcription of the GnRH gene mediated through the AP-1 transcription factor. This pathway may be an important mediator of GnRH expression in normal puberty as well as in disorders of the GnRH neuron resulting in disorders of pubertal development.

My laboratory has completed a study to determine if the pit-1 gene, which encodes a developmental transcription factor in the pituitary, is abnormal in patients with growth hormone, prolactin and thyrotropin stimulating hormone deficiencies. As hypothesized, a point mutation in the pit-1 gene was found in patients with this disorder. Since this report, pit-1 gene mutations have been found in over twenty patients and my laboratory has demonstrated a “hot spot” for such mutations in codon 271 of the gene. We continue to determine the frequency of pit-1 gene mutations in patients with pituitary hormone deficiencies and further delineate the molecular mechanisms of hypopituitarism in man. We have also found other transcription factors important in pituitary development, including Hesx1 and Otx-2, to be mutated in human hypopituitarism in our continuing studies.

In my role as Section Chief of Pediatric Endocrinology at The University of Chicago, I began a pediatric diabetes prevention program in response to the epidemic of obesity in children using the resources of the Diabetes Research and Training Center prevention and control core. The study involved family based nutritional and exercise interventions based on behavioral theory that are culturally and age appropriate.

## **GRANT SUPPORT (PREVIOUS-SELECTED)**

- 1992 National Institutes of Health, R29 HD 30040, GnRH Gene Expression, 1992-1997.
- 1993 March of Dimes, #0634. Basic Research Grant. The Genetic Basis for Anterior Pituitary Deficiency, 1993-1995.
- 1993 American Cancer Society, C-70602 Junior Faculty Research Award. Developmental Regulation of the GnRH neuron, 1993-1996.
- 1994 American Cancer Society, DB-73786 Basic Science Research Grant. Developmental Regulation of the GnRH Neuron, 1994-1996.
- 1994 Genentech Foundation, Molecular Diagnosis of Hypopituitarism, 1994-1997.
- 1995 March of Dimes, #1634. Basic Research Grant. The Genetic Basis for Anterior Pituitary Deficiency, 1995-1997.
- 1996 National Institutes of Health, R55 HD34551 James A. Shannon Director's Award. Cell-Specific GnRH Expression, 1996-1998.
- 1997 National Institutes of Health, R01 HD33441, Mechanism of GnRH Neuronal Migration During Development, 1997-2000.
- 1998 National Institutes of Health, K02 HD 01217 . Cell-specific Expression of GnRH in the Hypothalamus, 1998-2003, relinquished due to R01 support
- 1998 National Institutes of Health, Reproductive Endocrine Sciences Training Program - Helen Kim, M.D. Growth Factor Regulation of GnRH Gene Expression, 1998-2006
- 1999 National Institutes of Health, R01 DK 53977-05 (Sally Radovick, P.I.) Differential Regulation of Pit-1 Responsive Genes by CBP, 1999-2004
- 2000 National Institutes of Health, K24 DK01362-04 Hypopituitarism: clinical and molecular characterization, 2000-2005
- 2000 National Institute of Health P60 DK20595-27 (Fredric E. Wondisford, P.I.) Chicago Diabetes Research and Training Center, 2002-2007  
Director Pilot and Feasibility Program, Co-Director Transgenic Core
- 2000 National Institutes of Health, T32 DK07011-30 (Fredric Wondisford, P.I.) Integrated Clinical and Basic Endocrinology, 2001-2005  
Executive Committee
- 2004 National Institutes of Health, T32 (Sally Radovick, P.I.)  
Training Program in Pediatric Endocrinology, 2004-2009

## **GRANT SUPPORT (ACTIVE)**

- 1998- National Institutes of Health, R01 HD 34551-06 (Sally Radovick, P.I.)  
Title: Cell-specific Expression of GnRH in the Hypothalamus  
Dates: 2004-2009  
Effort: 15 %  
Total Direct: \$ 1,000,000
- 2003- National Institutes of Health, U54 HD41859-01 (Sally Radovick, P.I.)  
Title: Chicago Center for Reproduction Research  
Dates: 2003-2008  
Effort: 35 %  
Total Direct: \$ 4,900,000
- 2005- National Institutes of Health, 5T32DK007751-09

Title: Endocrine Diabetes and Metabolism Training Program  
Dates: 2002-2007  
Effort: 5%  
Total Direct: \$1.200,000

**GRANT SUPPORT (PENDING)**

2005- National Institutes of Health, 5T32DK007751-09  
Title: Endocrine Diabetes and Metabolism Training Program  
Dates: 2002-2007  
Effort: 5%  
Total Direct: \$1.200,000

**GRANT SUPPORT RECEIVED BY LABORATORY MEMBERS**

Laurie E. Cohen:

1993-1995 National Institutes of Health, National Research Science Award,  
“Pit-1 Gene Mutations.”  
1994-1995 Endocrine Fellows Foundation Award, “Pit-1 Gene Expression.”  
1995-1996 National Institutes of Health CAP Award, “Pit-1 Gene Mutations.”  
1995-2000 National Institutes of Health. Mentored Clinical Investigator Award  
(K08, S. Radovick, mentor), “Study of Pit-1 gene mutations.”  
1996-1997 The Hood Foundation. “Molecular Mechanisms of Pit-1 gene mutations.”

Andrew Wolfe:

1995-1997 Lalor Foundation. “Cell-specific expression of GnRH.”  
1997-2000 National Institutes of Health, National Research Science Award.  
“Cell-specific GnRH expression.”  
2000-2004 National Institutes of Health, Mentored Investigator Award  
(K01, S. Radovick, mentor), “Cell-Specific Expression of GnRH.”

Marjorie Zakaria:

1994-1997 National Institutes of Health, National Research Science Award  
1995-1996 Endocrine Fellows Foundation Award. “GnRH Gene Regulation in Puberty.”  
1997-1998 Lawson Wilkins Pediatric Endocrine Society Research Fellowship.  
“Growth Factor Regulation of GnRH.”  
1998-1999 Janeway Foundation Award, Children’s Hospital, Boston.  
“GnRH Regulation by Growth Factors.”  
1999-2000 The Hood Foundation. “Estrogen Regulation of GnRH Gene Expression.”  
2000-2005 National Institutes of Health. Mentored Clinical Investigator Award (K08,  
S. Radovick, mentor), “Estrogen Regulation of GnRH Gene Expression.”

Shanjun Zhen:

1997-1999 National Institutes of Health, National Research Science Award.  
“Developmental Regulation of GnRH Gene Expression.”

Helen Kim:

1998-2003 National Institutes of Health, Reproductive Endocrine Sciences

2001–2005 Training Grant. “Growth Factor Regulation of GnRH Gene Expression.”  
National Institutes of Health, Mentored Clinical Investigator Award  
(K08, S. Radovick, mentor). “Cell-specific Expression of GnRH.”

Diane Stafford:

1999-2004 National Institutes of Health, Mentored Clinical Investigator Award  
(K08, S. Radovick, mentor), “Novel Transcription Factors Regulating  
GnRH Gene Expression.”

Colleen Buggs:

2002-2006 Robert Wood Johnson Foundation for a Minority Medical Faculty  
Fellowship. “Signaling Pathways Shared by GnRH and Growth Factors in  
the Pituitary.”

2003-2004 Child Health Research Career Development Award.  
“Insulin Signaling pathways in the Gonadotroph.”

2004–2009 National Institutes of Health, Mentored Clinical Investigator Award  
(K08, S, Radovick, mentor). “Insulin Regulation of LH beta.”

Elizabeth Rochowicz:

2003-2005 Genentech Clinical Research Fellowship Award.  
"Molecular Mechanisms of Hypopituitarism."

Deborah Burnet:

2003-2008 National Institutes of Health, Mentored Clinical Investigator Award  
(K23, S. Radovick, mentor), "REACH-OUT, Pediatric Diabetes  
Prevention Program.

Stephanie Drobac:

2004–2005 Lawson Wilkins Pediatric Endocrine Society Research Award.  
“Estradiol Regulation of GnRH.”

Sara A. DiVall:

2005-2006 National Institutes of Health, National Research Service Award.  
“Growth factor receptor regulation of GnRH.”

**PROFESSIONAL SOCIETIES:**

1986- American Academy of Pediatrics  
1988- Endocrine Society  
1990- Lawson Wilkins Pediatric Endocrine Society  
1995- Society for Pediatric Research  
1997- American Society for Clinical Investigation  
2003- American Pediatric Society  
2004- Association of American Physicians

**EDITORIAL ACTIVITIES:**

2000-2005 Editorial board, Endocrinology  
2001-2003 Editorial board, Journal of Clinical Endocrinology and Metabolism

2004-2009 Associate Editor, Journal of Clinical Endocrinology and Metabolism  
Consultant reviewer-DNA, Endocrine Reviews, Endocrinology, Journal of Biological Chemistry, Molecular and Cellular Endocrinology, Molecular Endocrinology, Nature, Proceedings National Academy Sciences USA, Science, Thyroid, and Pediatrics

**COMMITTEES:**

**Institutional**

1994-2000 Harvard Medical School - Harvard Scientist Training Program (HST) 060 Endocrinology and Metabolism

2000-2001 Committee on Appointment of Chairman, Department of Obstetrics and Gynecology, The University of Chicago

2000 Committee on Appointments and Promotions, The University of Chicago, ad hoc

2000-2005 Intern Selection Committee, The University of Chicago

2002-2004 Chair, Institutional Animal Care and Use Committee (IACUC)

2004-2005 Committee on Appointment of Chairman, Department of Human Genetics, The University of Chicago

2001-2005 Committee on Human Nutrition & Nutritional Biology, Member

2001-2005 Committee on Molecular Medicine, Founding Member

2001-2005 Thesis Committee (Kit Phanvijhitsiri) Committee on Molecular Metabolism & Nutrition

2003-2005 Chair, Thesis Committee (Cynthia Greenberg) Committee on Molecular Metabolism & Nutrition

2004-2005 Graduate Advisor to Maria Sutanto, Committee on Molecular Metabolism & Nutrition

2007 Intern Selection Committee, Department of Pediatrics  
Johns Hopkins University School of Medicine

**National**

1994 National Institutes of Health - Biochemical Endocrinology Study Section, ad hoc

1994 National Institutes of Health - Clinical Research Center Study Section, ad hoc

1997	National Science Foundation, review committee, ad hoc
1997-2000	William B. Castle Society, medical student advisor
1999	National Institutes of Health - Biochemical Endocrinology Study Section, ad hoc
2000-2003	National Institutes of Health - Population Study Section, NICHD, member
2000	The Endocrine Society, Abstract Review Committee
2001-2004	The Endocrine Society, Research Affairs Committee
2001-2004	National Institutes of Health – Biochemical Endocrinology Study Section, member
2001-	Genentech Growth Foundation Study Section, member
2002	National Institutes of Health: Special Emphasis Panel- Cooperative Reproductive Science Research Centers at Minority Institutions
2001	National Institutes of Health: NIDDK - Chair, Special Emphasis Panel -Research and Training in Pediatric Diabetes
2003-2004	National Institutes of Health, NICHD - Chair, Reproductive, Andrology and Gynecology Study Section
2002	National Institutes of Child Health and Human Development, Special Emphasis Panel, Review of Extramural Loan Repayment Program
2003-2005	Lawson Wilkins Pediatric Endocrine Society, Drug and Therapeutics Committee, Chair, 2004-2005.
2003-2005	Pediatric Liaison Committee, Association of Program Directors in Endocrinology and Metabolism
2004	National Institutes of Child Health and Human Development - Chair, Special Emphasis Panel, Review of Extramural Loan Repayment Program
2004	National Institutes of Diabetes and Digestive and Kidney Diseases - Chair, Special Emphasis Panel, Review of Extramural Loan Repayment Program
2004-	Chair, Nominating Committee, Women in Endocrinology
2004	National Institutes of Child Health and Human Development, Perinatology Study Section, ad hoc
2004	National Institutes of Health, NICHD, Reproductive, Andrology and Gynecology Study Section, ad hoc

- 2004 National Institutes of Health, NIDDK, SEP for the Loan Repayment Program for Clinical and Pediatric Researchers, Chair
- 2005 National Institutes of Health, NIDDK, SEP for the Loan Repayment Program for Clinical and Pediatric Researchers, Chair
- 2005 National Institutes of Health, NICHD, SEP for the Loan Repayment Program for Clinical, Contraception and Infertility, Pediatric Researchers
- 2005 Lawson Wilkins Pediatric Endocrine Society, Director

**TEACHING EXPERIENCE (PREVIOUS):**

**Medical Student Teaching:** Case Western Reserve University School of Medicine, Cleveland  
 1991-1992 Endocrinology Teaching Committee  
 student #: 150  
 teaching time: 50 hrs/yr  
 frequency: 3 months/yr

1992 Genetics 881 - The Genetic Basis of Human Disease  
 student #: 150  
 teaching time: 6 hrs/yr  
 frequency: 1 month/yr

**Medical Student Teaching:** Harvard Medical School, Boston  
 1993-2000 HST 060 Endocrinology and Metabolism  
 student #: 45  
 preparation time: 25 hrs/yr  
 teaching time: 10 hrs/yr  
 frequency: 2 months/yr

1995-2000 Biology 250 Steroid and Thyroid Hormone Receptors  
 student #: 40  
 preparation time: 10 hrs/yr  
 teaching time: 2 hrs/yr  
 frequency: 1 month/yr

1997-2000 HST 350 Clinical Pharmacology and Therapeutics  
 student #: 60  
 preparation time: 15 hrs/yr  
 teaching time: 2 hrs/yr  
 frequency: 1 month/yr

1997-2000 Patient - Doctor Experience for Year 1 students  
student #: 2  
preparation time: 2 hrs/yr  
teaching time: 12 hrs/yr  
frequency: 2 months/yr

1997-2000 Project Success for Careers in Biomedical Sciences  
student #: 1, undergraduate minority  
preparation time: 10 hrs/yr  
teaching time: 20 hrs/yr  
frequency: 3 months/yr

**Resident and Medical Student Teaching:** Rainbow Babies and Children's Hospital, Cleveland

1991-1992 Normal and Abnormal Pubertal Mechanisms, 12 hrs/yr, 1 month/yr  
1991-1992 Endocrine Attending, 125 hrs/yr, 1 month/yr

**Resident and Medical Student Teaching:** Children's Hospital, Boston

1992-2000 Endocrine Attending, 125 hrs/yr, 1 month/yr

**Endocrinology Teaching:** Rainbow Babies and Children's Hospital, Cleveland

1991-1992 Endocrine Clinic, 70 hrs/yr, 2 sessions/month  
Endocrine Attending, 125 hrs/yr, 1 month/year

**Endocrinology Teaching:** Children's Hospital, Boston

1992-2000 Reproductive Endocrinology Clinic, 140 hrs/yr, 3 sessions/month  
Endocrinology Attending, 125 hrs/yr, 1 month/year

**Undergraduate Teaching:** The University of Chicago, Chicago

2000-2005 Biology 221, Human Developmental Biology,  
Mechanisms of Human Growth; 4 hrs/quarter

**Resident and Medical Student Teaching:** University of Chicago Children's Hospital, Chicago

2000-2005 Endocrine Attending, 125 hrs/yr, 1 month/yr

**Endocrinology Teaching:** University of Chicago Children's Hospital, Chicago

2000-2005 Endocrinology Clinic, 100hrs/yr, 2 sessions/month  
Endocrine Attending, 60 hrs/yr, 1 month/year  
Seminars in Endocrinology 2 hrs/yr

**TEACHING EXPERIENCE (CURRENT):**

**Resident and Medical Student Teaching:** Johns Hopkins University School of Medicine,  
Baltimore

2005-present Endocrine Attending, 125 hrs/yr, 1 month/yr

**Endocrinology Teaching:** Johns Hopkins University School of Medicine, Baltimore  
2005-present      Endocrinology Clinic, 100hrs/yr, 2 sessions/month  
                          Endocrine Attending, 60 hrs/yr, 1 month/year  
                          Seminars in Endocrinology 2 hrs/yr

### **STUDENTS/FELLOWS TRAINED**

1.      Amena Rahman, Pre-doctoral Fellow, National Institute of Child Health and Human Development, National Institutes of Health. 1988-1990.  
          Current position: Pharmaceutical company
2.      Chistopher Shen, Pre-doctoral Fellow, National Institute of Child Health and Human Development, National Institutes of Health. 1988-1990.  
          Current position: Housestaff training
2.      Yuko Nakayama, M.D., Post-doctoral Fellow, National Institute of Child Health and Human Development, National Institutes of Health. 1988-1990.  
          Current position: Associate Professor of Pediatrics, Juntendo University, Tokyo, Japan.
3.      Hans Steinfeld, M.D., Ph.D. Post-doctoral Fellow, National Institute of Diabetes Digestive and Kidney Disease National Institutes of Health and Case Western Reserve University. Cleveland, OH. 1988-1992. Current position: Professor of Medicine, Department of Pharmacology and Toxicology, University of Gottingen, Germany.
4.      Masanobu Yamada, M.D., Post-doctoral Fellow, National Institute of Diabetes Digestive and Kidney Disease, National Institutes of Health. 1989-1990.  
          Current position: Assoc. Professor of Medicine, Gunma University, Maebashi, Japan
5.      Melisa Mrocynski, M.D, Pre-doctoral Fellow, Case Western Reserve University School of Medicine, 1990-1992.  
          Current position: clinical practice, Akron Children's Hospital, OH
6.      Mechele Nations, M.D., Pre-doctoral Fellow, Case Western Reserve University School of Medicine, 1990-1992. Current position: clinical practice, Akron Children's Hospital, OH
7.      Sabitha Rajan, M.D., Pre-doctoral Fellow, Case Western Reserve University School of Medicine, 1990-1992.  
          Current position: Asst Professor of Medicine, Columbia University, NY, NY.
8.      Sitara Kommareddi, M.D., Pre-doctoral Fellow, Case Western Reserve University School of Medicine, 1990-1992.  
          Current position: house-staff training in surgery, University of Arizona.
9.      Lavonne Berg, M.D., Post-doctoral Fellow, Case Western Reserve University, Division of Endocrinology, 1991-1992. Current position: private practice

10. Laurie E. Cohen, M.D., Post-doctoral Fellow, Children's Hospital, Boston, 1992-2000.  
Current position: Assistant Professor of Pediatrics, Harvard Medical School, Boston, MA
12. Marjorie Zakaria, M.D. Children's Hospital, Boston, 1994-2000.  
Current position: Instructor in Pediatrics, Harvard Medical School, Boston, MA
13. Andrew Wolfe, Ph.D., Children's Hospital, Boston and University of Chicago, 1995-present. Current position: Assistant Professor of Pediatrics, University of Chicago
14. Kerstin Zanger, M.D., Children's Hospital, Boston, 1995-2000.  
Current position: Resident in Pediatrics, Massachusetts General Hospital, Boston.
15. Nell Smith, Pre-doctoral Fellow, Harvard College, 1995-1996.  
Current position: Graduate Student, Health Studies, University California, San Francisco
16. Shanjun Zhen, M.D., Ph.D., Research Fellow, Endocrinology Division, Children's Hospital, Boston 1995-1997.  
Current position: Senior Staff Fellow, National Institutes of Health, Bethesda, MD.
17. Mark Palmert, M.D., Ph.D., Children's Hospital, Boston, 1996-2000.  
Current position: Asst Professor of Pediatrics, Rainbow Babies and Children's Hospital
18. Ian Dunn, Ph.D., Research Fellow, Endocrinology Division, Children's Hospital, Boston 1996-1997.  
Current position: Assistant Professor of Biology, University of Edinburgh, Scotland.
19. Rebecca Marier, Pre-doctoral Fellow, Harvard Medical School, 1996-1999.  
Current position: House-staff training in surgery, Tulane University
20. Helen Kim, M.D., Brigham and Woman's Hospital and University of Chicago, 1997-present. Current position: Assistant Professor of OB/Gyn, University of Chicago
21. Yuko Hashimoto, M.D. Children's Hospital, Boston, 1997-2000.  
Current position: Instructor in Neurology, Gunma University, Maebashi, Japan
22. Thierry Brue, M.D., Ph.D. Visiting Assistant Professor, Children's Hospital, Boston 1997-1998. Current position: Professor of Medicine, University of Marseilles, France.
23. Catherine Brue, M.D., Children's Hospital, Boston, 1997-1998.  
Current position: Assistant Professor of Pediatrics, University of Marseilles, France
24. Diane Stafford, Children's Hospital, Boston, 1999-2000.  
Current position: Instructor in Pediatrics, Harvard Medical School, Boston, MA
25. Diego Botero, M.D., Children's Hospital, Boston, 1999-2000. Current position: Endocrinology Fellow, Division of Endocrinology, Children's Hospital, Boston, MA
26. Grandre Joseph, Pre-doctoral Fellow, University of Chicago, 2000-2001.

Current position: Medical Student, Indiana University, Bloomington, IN

27. Yayoi Shibusawa, M.D., Children's Hospital, Boston and University of Chicago, 1999-2003. Current position: Assistant Professor, Gunma University, Maebashi, Japan
28. Colleen Buggs, M.D., Ph.D., University of Chicago, 2001-present. Current position: Instructor in Pediatrics, Baylor College of Medicine
29. Elizabeth Rochowicz, M.D., University of Chicago, 2001-present. Current position: Clinical Assistant Professor of Pediatrics, Eastern Tennessee University.
30. Deborah Burnet, M.D., University of Chicago, 2001-2005. Current position: Associate Professor of Medicine and Pediatrics
31. Stephanie Drobac, M.D., University of Chicago, 2002-2005. Current position: Instructor in Pediatrics, Northwestern University
32. Ellen Kim, M.D., University of Chicago, 2003-2005. Current position: Assistant Professor of Obstetrics and Gynecology, University of Chicago
33. Sara DiVall, M.D., University of Chicago, 2003-present. Current position: Instructor in Pediatrics, Johns Hopkins Medical Institutes
34. Jennifer Robbins, M.D. University of Chicago, 2004-2005. Current position: Fellow in Endocrinology, University of Chicago.
35. Maria Sutanto, University of Chicago, 2004-2005. Current position: Graduate Student, Committee on Molecular Metabolism and Nutrition, University of Chicago.
36. Christopher Romero, M.D., Johns Hopkins University, 2006-present. Current position: Fellow in Endocrinology
37. Surya Singh, Ph.D., Johns Hopkins University, 2006-present. Current position: Postdoctoral Fellow
38. Horace Novara, Ph.D., Johns Hopkins University, 2006-present. Current position: Postdoctoral Fellow
39. Daniela Siam, M.D., Johns Hopkins University, 2006-present. Current position: Fellow in Endocrinology

**INVITED LECTURES:**

- |      |   |
|------|---|
| 1991 | Symposium on Modes of Action of GnRH and GnRH Analogs, Scottsdale, AR, 2/91.          |
|      | Endocrinology Grand Rounds, Case Western Reserve University School of Medicine, 2/91. |
| 1992 | Endocrinology Grand Rounds, Brigham and Women's Hospital,                             |

- 1993 Harvard Medical School 12/92.  
 Pediatric Grand Rounds, Children's Hospital, Harvard Medical School, 1/93.  
 Pediatric Endocrinology Grand Rounds, Massachusetts General Hospital,  
 Harvard Medical School 1/93.
- Laboratory of Human Reproductive Biology and Reproduction,  
 Brigham and Women's Hospital, Harvard Medical School 2/93.
- Center for Biological Timing Symposium on the Temporal and Functional  
 Relationships Between the Steroid Receptors and GnRH,  
 University of Virginia, 2/93.
- Center for Population Research Conference on Kallmann's Syndrome:  
 A Disorder of Neuronal Migration? NICHD/NINCDS, Bethesda, MD, 3/93.
- Reproductive Endocrinology Sciences Center, Massachusetts General  
 Hospital, Harvard Medical School, Research Seminar, 6/93.
- Center for Reproductive Research, Tufts University, Research Seminar,  
 10/93.
- 1994 US-Japan Conference on Steroid Hormone Action in the Brain, Honolulu  
 Hawaii, 4/94.
- Serrano Symposium: Molecular Biology for Endocrinologists, 5/94.
- Thyroid Disease: 1994 Update. Management of Pediatric Thyroid Disease.  
 Harvard Medical School, 11/94.
- 1994 (can't) Department of Neurobiology and Physiology, Northwestern University,  
 Research Seminar, 12/94.
- 1995 Endocrine Society of Australia, Canberra, 4/95.
- Thyroid Disease: A practical approach. Management of Pediatric Thyroid  
 Disease. Harvard Medical School. 10/95.
- 1996 Keystone Conference on Neuropathies, Lake Tahoe, 2/96.
- Workshop on Steroid Hormones and Brain Function, Breckenridge, 4/96.
- Serrano Symposium: Molecular Biology for Endocrinologists, 5/96.
- Asia Pacific Symposium on GH Research and Therapy, Japanese Society  
 for Pediatric Endocrinology, Kobe, Japan, 8/96.
- 1997 Department of Pediatrics, Children's Hospital, Columbus, 3/97.

Cellular and Molecular Reproductive Neuroendocrinology,  
American Neuroendocrine Society, Chaska, Minnesota, 6/97.

Eighth Meeting of the European Neuroendocrine Association, Marseille,  
France 9/97.

Michael Cronin Memorial Lecture, Molecular Biology of the Cell,  
Genentech Foundation, Washington, DC, 9/97.

American Thyroid Association, Symposium on TSH, Colorado Springs,  
10/97.

Department of Pediatrics, Children's Hospital Medical Center,  
Washington, D.C., 12/97.

1998 Department of Cell Biology, University of Pittsburgh, Pittsburgh, 2/98.

Department of Pediatrics, Children's Hospital, Buffalo, N.Y., 5/98.

Reproductive Endocrine Sciences Center, Scientific Advisory Board,  
Massachusetts General Hospital, 9/98.

Brigham and Women's Hospital, Endocrine Grand Rounds, Boston, MA.,  
10/98.

1999 Endocrine Grand Rounds, Department of Pediatrics, Children's Hospital,  
Seattle, WA, 1/99.

1999 (con't) Serono Review Course in Pediatric Endocrinology, sponsored by  
Lawson Wilkins Pediatric Endocrinology Society, San Francisco, CA, 4/99.

Review course (CME), Adolescent Gynecology, Children's Hospital,  
Boston, MA, 9/99.

Endocrine Grand Rounds, Massachusetts General Hospital, Boston, MA,  
12/99.

2000 Medical Grand Rounds, Children's Hospital, Boston MA, 12/99.  
Endocrine Grand Rounds, University of Chicago, Chicago, IL, 3/00.

Lawson Wilkins Pediatric Endocrine Society, Harvard Symposia,  
Boston, MA, 5/00.

Lawson Wilkins Pediatric Endocrine Society, Mentor Lecture,  
Boston, MA, 5/00.

The Endocrine Society Symposia on Pituitary Development,  
Toronto, CA 6/00.

- 2001                    Pharmacia, Pan-Pacific GH Workshop, Honolulu, Hawaii, 03/01.  
                          Serono Symposia USA, Inc., Montreal, Canada, 07/01.  
                          The Endocrine Society, Clinical Endocrinology, Chicago, IL, 10/01.  
                          Specialty Review in Neonatology/Perinatology, Chicago, IL, 10/01.
- 2002                    Winter Brain Research, Aspen, CO, 01/02.  
                          Sixth Annual Hypo CCS Symposium, Miami Beach, FL, 3/02.  
                          Pharmacia Workshop/33<sup>rd</sup> International Symposium/1<sup>st</sup> International  
                          Workshop, Barcelona, Spain, 4/02.  
                          First International Workshop on the Genetics of Growth Disorders,  
                          Sitges, Spain, 4/02.  
                          Pediatric Growth Hormone Disorders, Caremark National Pharmacy and  
                          Therapeutics Committee Meeting, Chicago, IL, 5/02.  
                          Pediatric Grand Rounds, University of Indiana, Indianapolis, Indiana 12/02.
- 2003                    Endocrine Grand Rounds, Endocrine Grand Rounds, Massachusetts General  
                          Hospital, Boston, MA, 3/03.  
                          Obstetrics and Gynecology Grand Rounds, University of Illinois at Chicago,  
                          Chicago, 4/03.  
                          Pediatric Grand Rounds, Johns Hopkins Medical School, Baltimore 6/03.
- 2004                    Genetics Grand Rounds, Northwestern University, Chicago 4/04.  
                          Robert Wood Johnson Economics and Ethics of Growth Hormone Therapy  
                          Seminar, The University of Chicago and The University of Washington,  
                          Chicago 5/04.  
                          Mead Johnson Perinatology Conference, Aspen, CO, 6/04.  
                          The Endocrine Society, Growth and Development Colloquium,  
                          New Orleans, LA, 6/04.  
                          Serono Symposium, Disorders of Puberty and Reproduction,  
                          Buenos Aires, Argentina 11/04.  
                          Endocrinology Grand Rounds, Johns Hopkins University, 12/04.
- 2005                    Pediatric Grand Rounds, University of Missouri, Columbia, Missouri, 5/05.

The Endocrine Society, Pituitary Development, San Diego, CA, 6/06.

University of Maryland Reproductive Center Conference, Plenary Lecture, GnRH Gene Expression, Baltimore, MD, 11/05.

Center for Reproductive Research, University of Virginia, Research Seminar, 12/05.

2006 National Institutes of Health, Endocrinology Grand Rounds, Bethesda, MD, 10/06.

University of California at Los Angeles, Pediatric Grand Rounds, Soloman H. Kaplan Honorary Lecture, 12/06.

University of California at Los Angeles, Endocrinology Grand Rounds, 12/06.

2007 University of Pittsburgh, Endocrinology Grand Rounds, 3/07.

University of Pittsburgh, Pediatric Endocrinology Grand Rounds, 3/07.

2007 (con't) Brigham and Woman's Hospital, Harvard Medical School, Endocrinology Grand Rounds, 4/07.

Children's Hospital, Harvard Medical School, Pediatric Endocrinology Grand Rounds, 4/07.

Biosymposia, Pediatric Endocrinology Review, Toronto, CA, 4/07.

National Institutes of Health, Specialized Cooperative Centers Program in Reproductive Research, Portland, OR 5/07.

Transpacific Lecture, Yokohama, Japan, 11/07

## **BIBLIOGRAPHY**

### **ORIGINAL ARTICLES**

1. DelBene J and **Radovick S**. Molecular equilibrium structures and energies of ions R<sub>2</sub>COH<sup>+</sup>. *J Amer Chem Soc* 1978; 100:6939.
2. Wondisford FE, Usala S J, DeCherney GS, Castren M, **Radovick S**, Gyves PW, Trempe JP, Kerfoot BP, Nikodem VM, Carter BJ and Weintraub BD. Cloning and expression of biologically active human thyrotropin after gene transfection. *Mol Endocrinol* 1988; 2:32-39.

3. Wondisford FE, **Radovick S**, Moates JM, Usala S J, Weintraub BD. Isolation and characterization of the human thyrotropin B subunit gene: differences in gene structure and promoter function from murine species. *J Biol Chem*. 1988; 263:12538-12542
4. Wondisford FE, Farr EA, **Radovick S**, Steinfelder H J, Moates J, McClaskey JH and Weintraub BD. Thyroid hormone inhibition of human thyrotropin B-subunit gene expression is mediated by a cis-acting element located in the first exon. *J Biol Chem* 1989; 264:14601-14604.
5. Weintraub BD, Wondisford FE, Farr EA, Steinfelder H J, **Radovick S**, Gesundheit N, Gyves PW, Taylor T, DeCherney GS. Pre-translational and post-translational regulation of TSH synthesis in normal and neoplastic thyrotropes. *Horm Res* 1989; 32:22-24.
6. **Radovick S**, Wondisford FE, Nakayama Y, Yamada M, Cutler, Jr GB and Weintraub BD. Isolation and characterization of the human gonadotropin-releasing hormone gene in the hypothalamus and placenta. *Mol Endocrinol* 1990; 4:476-480.
7. Yamada M, **Radovick S**, Wondisford FE, Nakayama Y, Weintraub BD, and Wilber J. Cloning and structure of human genomic DNA and hypothalamic cDNA encoding human pre-prothyrotropin-releasing hormone. *Mol Endocrinol* 1990; 4:551-556.
8. Nakayama Y, Wondisford FE, Lash RW, Bale AE, Weintraub BD, Cutler, Jr. GB, and **Radovick S**. Analysis of gonadotropin-releasing hormone gene structure in families with familial central precocious puberty (FCPP) and idiopathic hypo- gonadotropic hypogonadism (IHH). *J Clin Endocrinol Metab* 1990; 70:1233-1238.
9. Weintraub BD, Wondisford FE, Farr EA, Steinfelder HJ, **Radovick S**, Gesundheit N, Gyves PW, Taylor T, DeCherney GS. Pre-translational and post-translational regulation of TSH: relationship to bioactivity. *Horm Metab Res* 1990;23:9-11.
10. Yamada M, **Radovick S**, Wondisford FE, , Nakayama Y, Weintraub BD, and Wilber JF. Assignment of human preprothyrotropin-releasing hormone (TRH) gene to chromosome 3. *Somatic Cell and Mol Genetics* 1991; 17:97-100.
11. Steinfelder HJ, Hauser P, Nakayama Y, **Radovick S**, McClaskey H, Taylor T, Weintraub BD, Wondisford FE. Multiple cis-acting elements mediate induction of human TSH-B gene expression by thyrotropin-releasing hormone: potential interaction with thyroid hormone inhibitory element. *Proc Natl Acad Sci USA* 1991; 88:3130-3134.
12. **Radovick S**, Wray S, Lee E. Nichols, DK, Nakayama Y, Weintraub BD, Westphal H, Cutler GB, Wondisford FE. Migratory arrest of gonadotropin-releasing hormone neurons in transgenic mice *Proc Natl Acad Sci USA* 1991; 88:3402-3406.
13. **Radovick S**, Ticknor CM, Nakayama Y, Notides AC, Rahman A, Weintraub BD, Cutler GB, and Wondisford FE. Evidence for direct estrogen regulation of the human gonadotropin-releasing hormone gene. *J Clin Invest* 1991; 88:1649-1655.

14. Bodenner DL, Mroczynski MA, Weintraub BD, **Radovick S**, and Wondisford FE. A detailed functional and structural analysis of a major thyroid hormone inhibitory element in the human thyrotropin beta-subunit gene. *J Biol Chem* 1991; 266:21666-21673.
15. Steinfelder HJ, **Radovick S**, McClaskey JH, Weintraub BD, Wondisford, FE. Positive regulation of human thyrotropin-B subunit gene expression by cAMP: role of a pituitary-specific transcription factor (Pit-1/GHF-1). *J Clin Invest* 1992; 82:409419.
16. Steinfelder H J, **Radovick S**, and Wondisford FE. Hormonal regulation of the thyrotropin beta-subunit gene by phosphorylation of Pit-1. *Proc Natl Acad Sci USA* 1992; 89:5942-5945.
17. **Radovick S**, Nations M, Du Y, Berg LA, Weintraub BD, and Wondisford FE. A mutation in the POU homeodomain of Pit-1 responsible for combined pituitary hormone deficiency. *Science* 1992; 257:1115-1118.
18. Wondisford FE, Steinfelder H J, Nations M, and **Radovick S**. AP-1 antagonizes thyroid hormone receptor action on the thyrotropin beta-subunit gene. *J Biol Chem* 1993; 268:2749-2754.
19. **Radovick S**, Wray S, Muglia L, Westphal H, Olsen B, Smith E, Patriquin E, Wondisford FE. Steroid hormone regulation and tissue-specific expression of the human GnRH gene in cell culture and transgenic animals. *Horm Behav*, 1994; 28:520-529.
20. Cohen LC, Wondisford FE, Davis F, Weintraub BD, Maghine S, **Radovick S**. A "hot spot" in the pit-1 gene is responsible for combined pituitary hormone deficiency. *J Clin Endocrinol Metab* 1995;80:679-684.
21. Medeiros-Neto G, Herodotou DT, Rajan S, Kommareddi S, Lacerda Lde, Sandrini R, Boguszewski MCS, Hollenberg AN, **Radovick S**, Wondisford FE. A circulating biologically inactive thyrotropin caused by a mutation in the beta subunit gene. *J Clin Invest* 1996;97:1250-1256.
22. Wolfe A., Wray S, Westphal H, **Radovick S**. Cell-specific expression of the human gonadotropin-releasing hormone gene in transgenic animals. *J Biol Chem* 1996;271:20018-20023.
23. Zakaria M, Dunn IC, Zhen S, Smith E, Su E, Patriquin E, **Radovick S**. Phorbol ester regulation of the gonadotropin-releasing hormone (GnRH) Gene in GnRH -secreting cell lines: a molecular basis of species differences. *Mol Endocrinol* 1996; 10:1282-1291.
24. Gordon CM, **Radovick S**, Emans SJ. Another positive pregnancy test. *Adolescent Med* 1996; 7:361-368.
25. Kepa JK, Spaulding AJ, Jacobsen BM, Fang Z, Xiong X, **Radovick S**, Wierman ME. Structure of the distal human gonadotropin-releasing hormone (hGnRH) gene promoter and functional analysis in GT1-7 neuronal cells. *Nucl Acid Res* 1996; 24:3614-3620.

26. Zhen S, Dunn I, Wray S, Liu Y, Chappell P, Levine JE, **Radovick S**. An alternative gonadotropin-releasing hormone (GnRH) RNA splicing product found in cultured GnRH neurons and mouse hypothalamus. *J Biol Chem* 1997; 272:12620-12625.
27. Zhen S, Zakaria M, Wolfe A, **Radovick S**. Regulation of gonadotropin-releasing hormone (GnRH) gene expression by IGF-1 in a cultured GnRH-expressing neuronal cell line. *Mol Endocrinol* 1997; 11:1145-1155.
28. Palmert, MR, **Radovick S**, Boepple PA. The impact of reversible gonadal sex steroid suppression on serum leptin concentration in children with central precocious puberty. *J Clin Endocrinol Metab* 1998; 83:1091-1096.
29. Palmert, MR, **Radovick S**, Boepple PA. Leptin levels in children with central precocious puberty. *J Clin Endocrinol Metab* 1998; 83:2260-2265.
30. Tellam DJ, Perone M, Dunn IC, **Radovick S**, Brennand J, Rivier JE, Castro MG, Lovejoy DA. Direct regulation of GnRH transcription by CRF-like peptides in an immortalized neuronal cell line. *Neuroreport* 1998, 9: 3135-3140.
31. **Radovick S**, Cohen LE, Wondisford FE. The Molecular Basis of Hypopituitarism. *Horm Research* 1998;49 (1):30-36.
32. Zanger K, Cohen LE, Hashimoto K, **Radovick S**, Wondisford FE. A novel mechanism for cyclic AMP regulation of gene expression by CBP. *Mol Endocrinol* 1999, 270: 268-275.
33. Cohen LE, Wondisford FE, Flynn TR, Zanger K, **Radovick S**. Defective retinoic acid regulation of the pit-1 gene enhancer: a novel mechanism of combined pituitary hormone deficiency. *Mol Endocrinol* 1999, 13: 476-484.
34. Abel DA, Boers ME, Pazos-Moura CC, Moura EG, Kaulbach HC, Zakaria M, **Radovick S**, Lieberman MC, Wondisford FE. Targeted disruption of the beta 2 isoform of the thyroid hormone receptor results in central thyroid hormone resistance, *J Clin Invest* 1999, 104: 291-300.
35. Cohen LE, Hashimoto Y, Zanger K, Wondisford FE, **Radovick S**. CREB-binding protein regulation of the human growth hormone gene by growth hormone-releasing hormone, *J Clin Invest*, 1999, 104:1123-1128.
36. Hashimoto K, Zanger K, Hollenberg AN, Cohen LE, **Radovick S**, Wondisford, FE. CREB binding protein (CBP) mediates TRH signaling of the TSH subunit genes, *J Biol Chem* , 2000, 275:33365-33372.
37. Vallette-Kasic S, Pellegrini-Bouiller P, Sampieri F, Gunz G, Diaz A, **Radovick S**, Enjalbert A, Brue Thierry. Combined Pituitary Hormone Deficiency due to the F135 C Human Pit-1

- (Pituitary-Specific Factor 1) Gene Mutation: Functional and Structural Correlates. *Mol Endocrinol*, 2001, 15:411-420.
38. Zanger K, **Radovick S**, Wondisford, FE. CREB Binding Protein Recruitment to the Transcription Complex Requires Growth Factor-Dependent Phosphorylation of Its GF Box. *Mol Cell*, 2001, 7:551-558.
  39. Wolfe A, Kim HH, Tobet S, Stafford DEJ, **Radovick S**. Identification of promoter elements that are essential and sufficient for cell-specific expression of the human GnRH gene. *Mol Endocrinol* 2002, 16:435-449.
  40. Kim HH, Wolfe A, Tobet S, **Radovick S**. Identification of a molecular switch directing differential expression of hypothalamic and ovarian GnRH. *J Biol Chem* 2002, 277:5194-5202.
  41. **Radovick S**. Molecular Mechanisms Responsible for Combined Pituitary Hormone Deficiency. *J Clin Endocrinol Metab* 2002, 15:1427-1428.
  42. Radovick S. Genetics of Normal Pituitary Development. *J Ped Endocrinol Metab* 2002, 15:122-126.
  43. Cohen RN, Cohen LE, Botero D, Yu C, Sagar A, Jurkiewicz M, **Radovick S**. Enhanced repression by HESX1 as a cause of hypopituitarism and septooptic dysplasia. *J Clin Endocrinol Metab* 2003, 88:4832-9.
  44. Wilson TA, Rose SR, Cohen P, Rogol AD, Backeljauw P, Brown R, Hardin DS, Kemp SF, Lawson M, **Radovick S**, Rosenthal SM, Silverman L, Speiser P Update of guidelines for the use of growth hormone in children: the Lawson Wilkins Pediatric Endocrinology Society Drug and Therapeutics Committee. *J Pediatr*. 2003, 143:415-21.
  45. Cohen RN, Brue T, Naik K, Houlihan CA, Wondisford FE, **Radovick S**. The role of CBP/p300 interactions and Pit-1 dimerization in the pathophysiological mechanism of combined pituitary hormone deficiency. *J Clin Endocrinol Metab*. 91(1):239-47, 2006.
  46. Buggs C, Weinberg F, Kim E, Wolfe A, **Radovick S**, Wondisford FE. Insulin augments GnRH-stimulated LHbeta gene expression by Egr-1. *Mol Cell Endocrinol*. 2006, 249:99-106.
  47. DiVall SA, **Radovick S**. Deciphering the genetics of stature-Another piece of the puzzle. *J. Clin. Endocrinol. Metab*. 2006;91(4):1218-9.
  48. Naik K, Pittman I, Wolfe A, Miller RS, **Radovick S**, Wondisford FE. A novel technique for temporally regulated cell type-specific Cre expression and recombination in the pituitary gonadotroph. *J Mol Endocrinol* 2006; 37:63-9.

49. Kim HH, Wolfe A, Cohen RN, Eames SC, Johnson AL, Wieland CN, **Radovick S**. In vivo identification of a 107-base pair promoter element mediating neuron-specific expression of mouse gonadotropin-releasing hormone. *Mol Endocrinol*. 2007 Feb;21(2):457-71.
50. DiVall SA, **Radovick S**, Wolfe A. Egr-1 binds the GnRH Promoter to mediate the increase in gene expression by insulin. *Mol Cell Endocrinol*. 2007;270(1-2):64-72.
51. Miller R, **Radovick S**, Does treatment of childhood congenital adrenal hyperplasia with prednisone adversely affect final height? *Nat Clin Pract Endocrinol Metab*. 2007;3(9):626-7.
52. **Radovick S**, DiVall SA. Approach to the Growth Hormone Deficient Child During Transition to Adulthood. *J Clin Mol Endocrinol*. 2007; 92(4):1195-200.
53. Wolfe AM, DiVall SA, Singh S, Nikrodhanond A, Baria A, Le W, Hoffman GE, **Radovick S**. Temporal and Spatial Regulation of CRE Recombinase Expression in GnRH Neurons in the Mouse. *J Neuroendocrinol*. in revision.
54. Wolfe A, Ng W, **Radovick S**. Direct estrogen regulation of GnRH gene expression in a hypothalamic cell line, submitted.
55. Singh S, DiVall S, Wolfe A, **Radovick S**. Conditional knock-out of the estrogen receptor alpha gene in the reproductive axis, in preparation.
56. Novaria H, **Radovick S**. Kisspeptin regulation of GnRH gene expression, in preparation.

#### **BOOK CHAPTERS & REVIEWS**

1. Weintraub BD, **Wondisford FE**, Farr EA, Steinfelder HJ, Radovick S, Gesundheit N, Gyves PW, Taylor T, DeCherney GS. Pretranslational and posttranslational regulation of TSH synthesis. In: Chin WW, Boime I, eds. *Glycoprotein Hormones: Structure, Synthesis, and Biologic Function.*, Norwell, MA: Serono Symposia, USA, 1990:321-324.
2. Yamada M, Wilber J, **Radovick S**, Wondisford F, Weintraub B. The human preproTRH (ppTRH) gene: inhibition of expression in GH3 cells of plasmid chimeric luciferase constructs by L- triiodothyronine (L-T<sub>3</sub>). In: Gordon A, Gross J, Hennemann G (eds) *Progress in Thyroid Research. Proceedings of the 10th international Thyroid Conference*, A.A. Balkema, Rotterdam/Brookfield, 1991, 89-94.
3. **Radovick S**. Characterization, expression, and estradiol regulation of the human GnRH gene. In: Conn PM, Crowley, WF (eds) *Models of Action of GnRH and GnRH Analogs*. Serono Symposia, USA. Springer-Verlag, New York, 1992, 85-105.

4. **Radovick S.** The molecular basis of hypogonadotropic hypogonadism. In: Weintraub BD(ed) Molecular Endocrinology; Basic Concepts and Clinical Correlations. Raven Press, New York, New York, 1994.
5. **Radovick S.** Expression and estradiol regulation of the human GnRH gene. In: Goy RW(ed) Cellular and Molecular Action of Steroid Hormones in the Brain. Academic Press, San Diego, CA, 1994.
6. Cohen LE, Wondisford FE, **Radovick S.** Role of Pit-1 in the expression of growth hormone, prolactin and thyrotropin. In: Endocrinology and Metabolism Clinics of North America, Growth and Growth Disorders, Rosenfield RL, ed. W.B. Saunders Company, 1996, 523-540.
7. Cohen LE, **Radovick S**, Wondisford FE. Molecular aspects of hormone deficiency caused by Pit-1 gene mutations. In: Advances in Molecular and Cellular Endocrinology, LeRoith D, ed. JAI Press, Greenwich, Conn, 1997, 31-50.
8. Cohen LE, **Radovick S**, Wondisford FE. Transcription Factors and Hypopituitarism. Trend Endocrinol & Metabol 1999;10:326-332.
9. **Radovick S**, Kim HH, Stafford DEJ, Wolfe AM, Zakaria M. Regulation of GnRH gene expression. In: Current Opinion in Endocrinology and Diabetes, Kaiser U, ed. Lippincott, Williams and Wilkins, 2000.
10. **Radovick S**, Kim HH, Stafford DEJ, Wolfe AM, Zakaria M. Transcriptional Development of the Hypothalamic-Pituitary-Gonadal Axis. In: Developmental Endocrinology: From Research to Clinical Practice, Pescovitz OH, ed. Humana Press, 2000.
11. Wolfe A, Kim HH, **Radovick S.** The GnRH neuron: molecular aspects of migration, gene expression and regulation. Progress in Brain Research, Cicero, Galayaa BV, Parhar eds. Vol 141, Chapter 18:245-259, 2002.
12. Cohen LE, **Radovick S.** Molecular basis of combined pituitary hormone deficiencies. Endocr Rev. 23:431-42, 2002.
13. **Radovick S.** Molecular mechanisms responsible for combined pituitary hormone deficiency. J Pediatr Endocrinol Metab. 5:1427-8, 2002.
14. Wolfe A, Kim HH, **Radovick S.** The GnRH neuron: molecular aspects of migration, gene expression and regulation. Prog Brain Res. 141:243-57, 2002.
15. Cohen LE, **Radovick S.** Other transcription factors and hypopituitarism. Rev Endocr Metab Disord.3:301-11, 2002.

16. Rosenfield RL, Cooke DW, **Radovick S**. Puberty in the female and its disorders. In Sperling M, Ed. Pediatric Endocrinology, 2007. (In press.)

#### **BOOKS**

1. Clinical Management of Pediatric Endocrine Disorders. Ed. MacGillivray MM and **Radovick S**. Humana Press, 2003.