

## CURRICULUM VITAE

**William J. Snell**

**Office Address:** Department of Cell Biology  
The University of Texas Southwestern Medical Center  
at Dallas  
5323 Harry Hines Boulevard  
Dallas, TX 75235  
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**Personal Data:** Born October 11, 1946, LaSalle, IL  
Married, two children

**Education:**

1968 B.S., University of Illinois, Urbana, IL  
1969 M.Phil., Yale University, New Haven, CT  
1974 Ph.D., Yale University, New Haven, CT  
Advisor: Dr. Joel Rosenbaum

**Professional Experience:**

1990-present Professor, Department of Cell Biology, The University of Texas  
Southwestern Medical Center at Dallas  
1983-1989 Associate Professor, Department of Cell Biology, The University of  
Texas Southwestern Medical Center at Dallas  
1977-1983 Assistant Professor, Department of Cell Biology, The University of  
Texas Southwestern Medical Center at Dallas.  
1975-1977 N.I.H. Postdoctoral Fellowship with Dr. Saul Roseman, Johns Hopkins  
University  
1971-1972 Teaching Assistant in Cell Biology Course, Yale University  
1969-1971 High School Biology Teacher, Iroquois Central School, Elma, NY

**Fellowships and Awards:**

1982-1987 N.I.H. Research Career Development Award  
1976-1978 N.I.H. Postdoctoral Fellowship  
1975 Anna Fuller Fund Postdoctoral Fellowship  
1975 American Cancer Society, Postdoctoral Fellowship (declined)

1974	Traineeship, Yale Biology Department, H.E.W.-P.H.S. Grant
1973-1974	Yale University Graduate Fellowship Connecticut State Graduate Award
1971-1973	N.S.F. Graduate Fellowship
1968-1969	N.S.F. Graduate Fellowship Yale Graduate Incentive Award
1964-1968	University of Illinois Fellowship Illinois State Scholarship Commission Award

**Honors:**

Phi Beta Kappa (Academic Honor Society)  
Phi Kappa Phi (Academic Honor Society)  
Phi Eta Sigma (Academic Honor Society)

**Professional Societies:**

American Society for Cell Biology  
American Association for the Advancement of Science  
Genetics Society of America

**Professional Committees:**

Member Cellular Biology and Physiology (CDF-4) Review Committee, Center for Scientific Review, NIH; 1998-2002.  
Member Cellular and Molecular Basis of Disease Training Grant Review Committee NIGMS, 1993-1997.  
Member Minority Affairs Committee, American Society for Cell Biology, 1997-2002.

## **Research Support:**

NIH ROI-GM25661 6/1/78-9/30/13  
"Cell Surface Recognition and Cellular Interactions"

NIH R01-GM56778 1/1/98-5/31/11  
"Gamete membrane adhesion and fusion during fertilization"

## **Teaching**

### **Current:**

1978- Biology of Cell and Tissues, Lecturer and Lab Instructor  
2000- Organizer, Cell Biology Department Works in Progress Seminar Series  
2003- Sponsor, Cell Biology Department Postdoctoral Seminar Program  
1978- Member, Graduate Student Qualifying and Dissertation Committees (3-5 /yr)

### **Past:**

1991- 1999 Director, Graduate Course in Cell-Cell Interactions  
1992-2000 Director, Spring Semester Core Course Cell and Molecular Biology  
1992-1997 Organizer, Cell Regulation Monthly Faculty Seminar  
1986-1991 Director, Cell Biology Graduate Program  
1984-1997 Member, Steering Committee Summer Undergraduate Research Program  
1984-1985 Organizer, Cell and Molecular Biology Seminar Series  
1983-1991 Lecturer, Advanced Cell and Molecular Biology  
1982-1991 Advanced Cell Biology Course, Co-founder and Co-director  
1980-1983 Organizer, Cell Biology Departmental Seminar Series  
1980-1982 Cell Biology Seminar for Graduate Students, Founder and Director

## **University Administrative Activities**

Member, Academic Support Services Committee for Six Year Planning (1997; 2003. 2005, 2007)  
Member, UT Safety Programs Committee (1987-1993)  
Member, Library Director Search Committee (2002-2003)  
Chair, Basic Sciences Information Resources Advisory Committee (1999-2002)  
Chair, University Lecture Series (2003-2004)  
Interviewer, Medical School Admissions (1996 – present)

## Participation in Scientific Conferences and Meetings:

Organizer, FASEB Conference on the Biology of Cilia and Flagella, 2010.

Invited speaker, Frontiers of Biological Sciences, 2009, Tsinghua University, Beijing China.

Invited speaker, Gordon Research Conference on Cilia, Mucus and Mucociliary Interactions, 2009.

Invited speaker, FASEB Conference on the Biology of Cilia and Flagella, 2007.

Invited speaker, Gordon Research Conference on Fertilization and Activation of Development, Plymouth, New Hampshire 2003, 2005, 2007.

Invited speaker, ASCB Special Interest Subgroup on Cell-Cell Fusion (presenter, Mike Misamore) 2002

Invited speaker, ASCB Special Interest Subgroup on Intraflagellar Transport (IFT) 2002

Invited speaker, Gordon Research Conference on Fertilization and Activation of Development, Plymouth, New Hampshire 2001

Organizer 8th Annual "International Conference on the Cell and Molecular Biology of *Chlamydomonas*." 1998.

Invited speaker 50th annual meeting of Phycology Society, Santa Cruz, CA. 1996

Discussant and invited speaker at 1995 ASCB Minisymposium, Gametes and Fertilization.

Invited speaker, 1995 Gordon Research Conference on Fertilization and Activation of Development.

Invited speaker: "Conference on the Cell and Molecular Biology of *Chlamydomonas*." Lake Tahoe, California, 1994.

Discussion Leader: 1993. Gordon Research Conference on Fertilization and Activation of Development." Plymouth, New Hampshire.

Invited speaker: "Conference on the Cell and Molecular Biology of *Chlamydomonas*." Asilomar, California, 1992.

Invited speaker: Lecture Program, 1991. National Center for Agricultural Utilization Research Service United States Department of Agriculture.

Invited speaker: American Botanical Society Annual Meeting, 1990. (Presented by Gary Hunnicutt).

Invited speaker: Fifth Cell Wall Meeting, 1989. Edinburgh, Scotland

Invited speaker: Special Interest Sub-group, meeting of American Society for Cell Biology: "Adhesion in Biological Systems" (presented by Gary Hunnicutt, 1989).

Invited speaker: "Conference on the Cell and Molecular Biology of *Chlamydomonas* and *Volvox*." Cologne, Germany, 1988 and 1989.

Invited speaker: "Conference on the Cell and Molecular Biology of *Chlamydomonas*." Cold Spring Harbor, 1988; Geneva Wisconsin, 1990.

Invited speaker, NATO conference on "The Cell Surface and Signal Transduction." Besancon, France, March, 1986.

Invited speaker, Conference on the Genetics and Molecular Biology of *Chlamydomonas*. University of California, Santa Cruz, August, 1985.

Invited to organize minisymposium on "Functional Interactions between Cells" at Annual Meeting of American Society for Cell Biology, San Antonio, TX, 1983.

Invited Speaker, Symposium on "Cilia and Flagella" at 1983 Annual Meeting of Society for Protozoology.

Invited Speaker, Symposium on Cell-Cell Interactions at XIIIth International Congress of Microbiology. Title of Lecture: "Algal-Algal Cell Interactions." Boston, MA, August, 1982.

Organizer of Workshop on "Cilia and Flagella" at ICN-UCLA Symposium on Cellular Recognition. Keystone, CO, March, 1981.

### **Students:**

William J. Brown, Ph.D. 1981. Postdoctoral Fellow with Marilyn Farquhar, Yale University.  
Present position: Professor, Department of Biochemistry, Molecular and Cell Biology, Cornell University, Ithaca, NY

Marty J. Buchanan, 1988, Ph.D., M.D. Current position: Practicing clinician in Dallas

Gary Hunnicutt, 1989, Ph.D. Current position: Staff Scientist, The Population Council, Center for Biological Research, New York, NY

Hong D. Tian, 1994, M.S. Current position: Research Associate, Texas Biotech Corp., Houston, TX

Nedra F. Wilson, 1996, Ph.D. Current position: Assistant Professor, Oklahoma State University Center for Health Sciences.

Olivier Belzile, 2004-present.

Carmen Hernandez, 2008-present

### **Postdoctoral Fellows:**

Dr. Syed Imam, 1982-1987. Current position: Staff Scientist, Plant Polymer Research, USDA, Peoria, IL.

Yu-Hua Zhang, August 1989-1994. Current position: Postdoctoral Fellow with Richard Kolesnick, Memorial Sloan-Kettering Cancer Center, New York, NY.

Dr. Venkatesh Kurvari. March 1991-1997. Current position: Self-employed publisher.

Dr. Kiran Kaur, March 1994-1996. Current position: Postdoctoral Fellow with Michael White, UT-Southwestern.

Dr. Jumin Pan, January 1997-2005. Current Position: Assistant Professor, Tsinghua University, Beijing China.

Dr. Hui Zhao, 1998-2001. Current position: resident Internal Medicine, University of Ohio, Toledo.

Dr. Michael Misamore, 1998-2003. Current position: Assistant Professor, Department of Biology, Texas Christian University, Ft. Worth.

Dr. Qian Wang, 2001-present

Dr. Yanjie Hui, 2003-present

Dr. Jue Ning, 2006-present

Dr. Neal Jetton, 2007-2008

### **BIBLIOGRAPHY**

Snell, W.J., W. L. Dentler, L. T. Haimo, L. I. Binder, and J. L. Rosenbaum. 1974. Assembly of chick brain tubulin onto isolated basal bodies of *Chlamydomonas reinhardi*. *Science*. 185:357-360.

Rosenbaum, J.L., L. I. Binder, S. Granett, W. L. Dentler, W. Snell, R. Sloboda, and L. Haimo. 1975. Directionality and rate of assembly of chick brain tubulin onto pieces of neurotubules, flagellar axonemes, and basal bodies. *Ann. N. Y. Acad. Sci.* 253:147-177.

Snell, W.J. 1976. Mating in *Chlamydomonas*: A system for the study of specific cell adhesion. Ultrastructural and electrophoretic analysis of flagellar surface components involved in adhesion. *J. Cell Biol.* 68:48-69.

Snell, W.J. 1976. Mating in *Chlamydomonas*: A system for the study of specific cell adhesion. II. A radioactive binding assay for quantitation of adhesion. *J. Cell Biol.* 68:70-79.

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- Brown, W.J., C.F. Norwood, R.G. Smith, and W.J. Snell. 1981. Development of capping ability during differentiation of HL-60 human promyelocytic leukemia cells. *J. Cell. Physiol.* 106: 127-136.
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- Snell, W.J. 1980. Cilia and flagella: Workshop report. In *Cellular Recognition*. W.A. Frazier, L. Glaser, and D.L. Gottlieb, editors. A. R. Liss, Inc., New York. 817-819.
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