

**CURRICULUM VITAE
JUDSON D. SHERIDAN**

PERSONAL

Born: November 10, 1940, Greeley, Colorado
Family Data: Married, two children

EDUCATION

1958-1961 B.S. Biology, Summa Cum Laude, Hamline University
1961-1962 Pre-Clinical Medicine, Harvard Medical School
1962-1965 D.Phil., Neurophysiology, Oxford University (Trinity
College)

EMPLOYMENT

Current

2000-present Associate Dean for Research and International Programs, Professor, Dept.
of Genetics, Cell Biology and Development, College of Biological Sciences

Past

1999-2000 Research Associate and Special Assistant to the Dean,
Dept. of Genetics, Cell Biology and Development, College of Biological
Sciences
1996-1999 Executive Director, Graduate Record Examinations Program (GRE)
Educational Testing Service
Princeton, NJ
1993-1995 Vice President for Academic Affairs
Professor of Zoology
University of Maine, Orono, Me
1987-1993 Vice Provost for Research and Dean of the Graduate School, University of
Missouri-Columbia
1987-1993 Professor, Department of Physiology, Medical School, and in Division of
Biological Sciences, University of Missouri-Columbia
1983-1987 Associate Dean for Research, Graduate School, University
of Minnesota
1978-1987 Professor, Department of Cell Biology and Neuroanatomy,
University of Minnesota
1977-1978 Professor, Department of Genetics and Cell Biology,
University of Minnesota
1974-1975 Visiting Research Fellow, Department of Biochemistry,
University of Glasgow, Scotland

1972-1976 Associate Professor, Department of Zoology, University of Minnesota
 1968-1972 Assistant Professor, Department of Zoology, University of Minnesota
 1965-1968 Research Fellow and Instructor, Harvard Medical School

HONORS

1959 Finalist in Minnesota State Collegiate Oratory Competition
 1961 Torch and Cycle Honorary Leadership Fraternity, Hamline University
 1961 Kappa Phi Scholastic Society, Hamline University
 1961 American Heart Association, Summer Research Fellowship
 1961-1962 USPH Student Research Fellowship, Harvard Medical School
 1962-1965 Rhodes Scholar
 1965-1968 NIH, NINDB Postdoctoral Fellowship, Harvard Medical School
 1970 Outstanding Young Men of America
 1972-1977 NIH/NCI, Career Development Award
 1976 American Men and Women of Science
 1982 Athletic Hall of Fame, Hamline University
 1992 Who's Who in Science and Engineering
 1994 Who's Who in Education
 1994 Recondo Badge and Certificate for completion of obstacle course as Institutional Representative at summer ROTC camp visitation
 1994 Phi Kappa Phi Honorary Society, Umaine
 1995 Science Alumni Gallery of Achievement, Hamline University
 1998 Who's Who in the East

PROFESSIONAL ORGANIZATIONS (Personal memberships)

American Association for the Advancement of Science
 American Society of Cell Biology
 Association of American Rhodes Scholars

SERVICE

University of Minnesota (1999-present;selected)

1999-present CBS representative to CRAD (Council of Research Associate Deans)
 1999-2003 Convener of Microbial and Plant Genomics (Cargill) Building predesign committee; member of steering committee
 2000-present Biomedical Nomination Committee
 2002-present NSF/MRI Institutional Review Committee
 2002-2003 Chair of CRAD
 2002-2003 VP for Research Administrative Group
 2000-present International Policy Council
 2003-present China Center Advisory Council
 2003-present Working Group – Initiative for Renewable Energy and the Environment
 2003-present St. Paul Campus Federal Advocacy Committee
 2003-present F&A Advisory Committee

University of Maine

1993-1995	President's VP Advisory group
1993-1995	President's Executive Council
1993-1995	Member (ex officio, non-voting) Board of Directors, American Univ. in Bulgaria
1993-1995	Faculty Senate
1993-1995	Academic Affairs Council of the New England Landgrant Universities (Chair, 1995)
1994-1995	Member of the Committee on Research and Graduate Education of the Academic Affairs Council for NASULGC
1994-1995	Member of Task Force on cooperative medical education program with UMaine, Eastern Maine Medical Center, and Tufts Medical School
1995	Member (ex officio) Pres. Task Force on Marine Science

University of Missouri-Columbia

1987-1993	Advisory Committee for TA Training and Development
1987-1993	International Affairs Council
1987-1993	Campus Promotion and Tenure Committee
1987	School of Medicine Dean Search Committee
1987-1990	The Patent, Copyright, & University Sponsored Materials Committee
1987-1989	The Weldon Spring Endowment Committee
1989-1993	MU Advisory Board of the Science Journalism Center in the School of Journalism
1990	The Weldon Spring Endowment Task Force
1990 –1993	University Integrated Data System Advisory Committee
1991 –1993	MU Planning Council - ex officio member
1991 –1993	MURR Research Reactor Research Advisory Subcommittee-ex officio

University of Minnesota (1968-1987)

1968-1969	Chair, Subcommittee on Tenure Policy, College of Biological Sciences (CBS)
1968-1969	Disadvantaged Student Tutorial Group, CBS
1969-1970	Administrative Committee, CBS
1970-1971	Faculty Representative Committee, CBS
1972-1986	Several Search Committees for Faculty in Zoology, Anatomy
1972	St. Paul Campus Organizational Committee
1972-1974	Clinical Research Committee (Institutional Review Board)
1972-1986	University of Minnesota Rhodes Committee
1975-1976	Committee on Organization of CBS
1978	Member, Plant and Animal Sciences P&R Council, Grad. School
1978-1979	Director of Graduate Studies, Zoology Program
1981-1982	Task Force Subcommittee on Basic Science Curriculum, Medical School
1981-1983	Committee on Anatomy Graduate Program
1981-1983	Graduate School Fellowship Committee
1982-1983	Task Force (Steering Committee) on LCME Self-Study, Medical School
1982-1983	Chair, Internal Review of Physiology Program
1982-1983	Member, Graduate Studies Committee, Cell Biology Program
1983-1985	Member, Single Quarter Leave Committee

1983-1987 Member of Graduate School Executive Committee
 1984-1985 Ex officio member, Biological Sciences Evaluation Committee
 1985-1987 Member, University Computer Grants Committee
 1986 Member, Task Force on Program for Human/Animal Interactions
 1987 Advisory Committee, Lake Itasca Biological Research Station

Professional

1968-present Reviewer of papers for Journal of Membrane Biology, Journal of Cell Biology, Nature, Science, Developmental Biology, Diabetes, Experimental Cell Research, Biophysical Journal, Cell Physiology, Laboratory Investigation
 1969-1972 Associate Editor, Developmental Biology
 1972-1995 Reviewer, NSF Grants, Developmental and Neurobiology
 1972-1995 Reviewer, NIH Grants
 1972-1986 Member, Minnesota State Rhodes Scholarship Committee
 1973 Ad Hoc Member, Cell Biology Study Section
 1979- Member, NIH Site Visit Teams (3)
 1981 Member, Illinois State Rhodes Scholarship Committee
 1984 Task Force on the Relation between Research and Economic Development in Minnesota, Governor's Office of Science and Technology
 1984-1987 Council of Center for Research Libraries
 1985-1988 Education Committee, The American Society for Cell Biology
 1985 External Examiner for Ph.D. Thesis, University of Western Ontario
 1987 Member, CIC Minority Fellowship Selection Committee
 1988-1993 Member, Missouri State Rhodes Scholarship Committee
 1988 Member, CGS Task Force on Revision of CGS Publication, "Organization and Administration of Graduate Schools in the U.S."
 1988-1993 Representative/councillor Oak Ridge Assoc. Univ.; member Science and Engineering Education Division Committee
 1988-1990 Member, Ad hoc committee on Graduate Education, Council on Research Policy and Graduate Education (CRPGE), NASULGC
 1988-1993 Member, Project Steering Committee, AAU/AGS Project for Research on Doctoral Education
 1989-1990 Chair, Mid-America State Universities Association (MASUA) Graduate Deans
 1989 Member, AAU/NASULGC Ad Hoc Committee on Academic Research Facilities
 1989 Member, CGS Advisory Committee on CGS/UMI Distinguished Dissertation Award for 1989 (Biological Sciences)
 1990-1993 Board of Directors, Council of Graduate Schools
 1991-1992 Executive Committee, CGS Board
 1991-1993 Executive Committee, CRPGE
 1991-1993 Reviewer for Hughes Doctoral Fellowships for Natl Res. Council
 1992-1993 Executive Committee, AGS
 1992-1993 Executive Committee, MidMissouri Assoc. Colleges and Univ.
 1994 Member of Accreditation Team for Tufts School of Dentistry

1994	Member of Maine State Rhodes Scholarship Committee
2000-present	Member of Minnesota State Rhodes Scholarship Committee
2001-2003	Review Panel for 3M/Hamline NSF project
2004-	Secretary, Minnesota State Rhodes Scholarship Committee

Community

1969-1970	Bach Society
1971-1976	Faith Methodist Church Choir, Tenor Soloist
1975-1978	North Area Advisory Committee, Minneapolis School District
1975-1978	Pillsbury PTA Board
1977	Chair, Ad Hoc Committee on Community Integration
1975-1980	Brian Boru Pipe Band
1980	Pipe Sargeant, Brian Boru Pipe Band
1980-1984	St. Anthony Pipe Band
1981-1982	President, Minnesota Scottish Celtic Dance Association
1981-1985	Hennepin Methodist Church Choir
1984	NIKE Soccer Club
1987-1993	Riback Soccer Team
1989 –1993	Member, Missouri Senior Select Soccer Team
1989 –1993	Columbia Chamber of Commerce
1990 –1993	Columbia Chamber of Commerce/Public Affairs Committee
1990 –1993	Administrative Board, Missouri United Methodist Church

TEACHING EXPERIENCE

1969-1979	General Physiology, Lecture and Lab Courses
1969-1970	Advanced General Physiology
1972-1976	Physiology of Excitable Cells
1976-1979	Intercellular Communication
1970-1979	Tutorial in Developmental Biology
1979-1983	Histology
1979-1983	Advanced Histology
1980-1984	Cell Junction Structure and Physiology
2001, 2002	Histology (fill-in with several lab sections)
2003	Lecture on Epithelia – Mucosal Immunology Course, VetMed

POSTDOCTORAL FELLOWS, GRADUATE STUDENTS, VISITING SCIENTISTS

Visiting Scientists

1980	David Spray, Visiting Professor, Albert Einstein College of Medicine
1980	Michael V.L. Bennett, Visiting Professor, Albert Einstein College of Medicine
1980-1982	Liu Tai-Feng, Visiting Scientist (with R. Johnson), People's Republic of China
1981-1983	Paolo Meda, Visiting Assistant Professor, Geneva, Switzerland
1984	Dieter Hulser, Visiting Professor, Stuttgart, Germany

1983-1985 Li Xin-Ren, Visiting Scientist (with R. Johnson), People's Republic of China

Postdoctoral Fellows/Research Associates

1972-1974 Miles Epstein, Research Specialist
1974-1977 David Nichols, Research Specialist
1979-1987 Michael Atkinson, Research Associate
1980-1981 Ephraim Kam, Research Specialist
1982-1986 Rebecca Biegon, Postdoctoral Associate
1984 Daljit Dhillon, Postdoctoral Associate

Graduate Students - University of Minnesota

Ph.D.

1973-1977 Dale Pederson, Ph.D., 1977
1974-1979 David Larson, Ph.D., 1979
1977-1981 Ephraim Kam, Ph.D., 1981
1979-1983 Robin Michaels, Ph.D., 1983
1978-1986 Robert Jackman, Ph.D., 1986

M.S.

Marie Hammer
Tad Nakai

RESEARCH SUPPORT

1968-75 NCI, Cell Junctions during Growth and Differentiation, P.I.
1972-77 NCI, Physiology of Intercellular Junctions, PI. (RCDA)
1973-78 NHL, Immunologic Mechanisms in Cardiovascular Disease, R. Vernier, P.I.
1975-85 NCI, Cell Junction Formation and Role in Cell Proliferation, P.I.
1978-81 NHL, Junctional Communication between Vascular Cells, P.I.
1979-86 American Diabetes Association, Minnesota Division, Distribution of Dye Permeable Junctions in Pancreatic Islets, P.I.
1981-82 Minnesota Medical Foundation, Cultured Explants of Intact Vessel Segments: Models for Study of Repair of Intimal Damage, P.I.
1982-87 NIADDK, Islet Cell Coupling and Control of B-cell Secretion, P.I.
1984-87 NIADDK, Islet Cell Coupling and Secretion in Pregnancy and Lactation, P.I. (84-86), R. Sorenson, P.I.

- (86-87)
- 1999 Minnesota Medical Foundation, Shared Electrophysiology Equip,
R. Johnson, PI
- 1999-2002 March of Dimes, Gap Junction Communication In the Developing Notochord,
R. Johnson, PI
- 2000-2002 Medtronic, Gap Junction Communication In a Cardiomyocyte System, co-PI
with E. TenBroek (and R. Johnson)
- 2002-pres NIGMS, Gap Junction Assembly: Mechanisms and Regulation, co-PI with R.
Johnson, PI

INVITED SEMINARS

United States (Research – 1981-1986; selected)

- 1982 Department of Biology, Hamline University
- 1982 Department of Pharmacology, University of Pennsylvania
- 1982 Department of Biology, University of Delaware
- 1982 American Society of Physiology, Symposium on Islet
Secretion
- 1983 Department of Pharmacology, Yale University
- 1983 East Carolina University, Symposium on Membranes
- 1983 Department of Neurosciences, Albert Einstein College of
Medicine
- 1984 NIH, Special Workshop on Lung Vasculature
- 1984 Department of Veterinary Biology, University of Minnesota
- 1984 Banbury Conference on Gap Junctions, Cold Spring Harbor
- 1985 Department of Anatomy, University of North Dakota
- 1985 Panel Member, American Society for Cell Biology Meeting,
Minisymposium on Gap Junctions
- 1986 Department of Physiology, Rush College of Medicine
- 1986 Society of Toxicology Symposium, New Orleans
- 1988 U. of Missouri School of Medicine, Junctional
Communication
- 1989 U. of Missouri School of Medicine, Dept of Surgery
- 1990 U. of Missouri School of Medicine, Dept of Family and Community Medicine
- 1991 U. of Missouri School of Veterinary Medicine, Dept of
Veterinary Biomedical Sciences

Foreign (1981-1986; selected)

- 1981 Flow Labs Lectureship, British Cell Biology Meeting,
Glasgow, Scotland
- 1981 Department of Histology, Geneva, Switzerland
- 1981 Department of Physiology, Bern, Switzerland
- 1981 Department of Biophysics, Stuttgart, Germany
- 1981 Institute of Cell Biology, Bucharest, Romania
- 1985 Gap Junction Meeting, EMBO, Roscoff, France
- 1985 Research Lecture series for Boehringer-Ingelheim Fonds in
Basel, Stuttgart, and Homburg (Saarland)

Other Presentations (since 1987)

- 1987 "Creativity in Graduate Education", Mechanical and Aero Engineering, MU
- 1988 "Creativity in Research", Electrical Engineering, MU
- 1988 Keynote: Graduate and Professional Student Achievement Awards, Graduate and Professional Council (GPC)
- 1988 "The Three C's of Graduate Education", Keynote for Research and Creative Activities Forum, GPC
- 1988 Moderator for Plenary Session, "Issues in Biological Sciences: Impact on Graduate Education", CGS
- 1989 Moderator for Panel Discussion, "Resolved: That the Increasing Pursuit of Grant Dollars by University Faculty is Erosive of the Quality of Graduate Education", MAGS
- 1989 "The Public Research University: A Complete Learning Community." Phi Beta Kappa/Sigma Xi Luncheon Talk
- 1989 Panelist: "Answering 'the TA Question' to our Various Publics", 2nd National Conference on the Training and Employment of Teaching Assistants, Seattle, WA
- 1990 Presenter: "Career Development Resources: Perspectives," New Faculty Seminar, University of Missouri-Columbia
- 1991 CGS Summer Workshop - Co-leader, session on Research
- 1991 CRPGE Summer Forum - Discussion co-leader on Integrity in Research
- 1991 Moderator for plenary session- CGS- The New Assessment of the Research Doctorate
- 1991 Presenter, NRC Conference on Science and Engineering Programs: On target for Women
- 1991 Participant, Workshop on NSF Research Data, sponsored by Quantum Corp.
- 1992 CGS Summer Workshop - Co-leader, session on "Information Resources"
- 1992 Moderator for concurrent session - CGS - "NRC Study on Research Doctorate"
- 1993 Presentation at hearing for National Research Council: "Meeting the Nation's Needs for Biomedical and Behavioral Scientists" (presented by coauthor, Dr. John McCormick)
- 1994 Keynote speaker for Partners in Education group in Castine, Maine
- 1994 Discussion leader on Scientific Misconduct - Summer Forum for Academic Affairs Council of NASULGC
- 1994 Panel member on Tenure and Promotion: UMaine System Board of Trustees
- 1994-1995 Numerous welcomes, closing remarks, etc. for internal and external conferences and meetings, e.g. MaryAnne Hartman Awards (in honor of outstanding faculty member), Johns Hopkins talent search program, College of Natural Resources, Forestry and Agriculture Awards ceremony, Nursing pinning ceremony, Undergraduate Research Program, Scholar-Athletes Awards Program, ROTC Commissioning Ceremony.
- 1994 Panel member for UMaine Chairs group: Student enrollment
- 1995 Participant, Workshop on NSF Implications of Changes in Organizational Structures for R&D Expenditure Reports, sponsored by Quantum Corp.
- 1996 Presentations at: Western Assoc of Graduate Schools (WAGS), AACRAO, CGS Summer workshop, Council of Historically Black Graduate Schools (CHBGS), Assoc of Texas Graduate Schools, University of Kansas, European Association of International Education, American University of Bulgaria
- 1997 Presentations at: WAGS, Midwest Assoc of Graduate Schools (MAGS), ACE, CHBGS, National Society of Black Engineers officers (NSBE), CGS Summer

- 1998 Workshop
Presentations at: OSEAS (in Hungary), CGS Summer Workshop, CHBGS, McNair Steering Committee, National Society of Black Engineers (NSBE), Society of Hispanic Professional Engineers (SHPE)
- 2002 Presentation at Bethel College: "Inside Testing: Views from a former GRE Executive Director"
- 2002 Presentation at Northwestern College: "Preparation for Graduate School"

LANGUAGE PROFICIENCIES

German - reading and speaking, partial fluency; writing, some skill
 Norwegian - reading and speaking, partial fluency; writing, some skill
 French - reading, some skill, especially in scientific or technical materials; beginning speaking skill
 Japanese, Bulgarian, Chinese, Finnish, Spanish – beginning level

PUBLICATIONS (*refereed; **invited chapters/reviews)

- *1. Sheridan, J., C.R. Reller and J.B. Aust 1962 Muscle and skin blood flow in isolated limb perfusion. Surgical Forum Vol. XIII. Amer. Coll. Surg.
- *2. Reller, C.R., J. Sheridan and J.B. Aust 1964 Tissue blood flow during varied perfusion conditions. Amer. J. Physiol. 207:1354.
- *3. Sheridan, J. 1966 Electrophysiological study of special connections between cells in the early chick embryo. J. Cell Biol. 31:1.
- *4. Sheridan, J. 1968 Electrophysiological evidence for low-resistance intercellular junctions in the early chick embryo. J. Cell Biol. 37:650.
- *5. Koeze, T.H., G.C. Phillips and J. Sheridan 1968 Thresholds of cortical activation of muscle spindles and motoneurons of the baboon's hand. J. Physiol. 195:419.
- *6. Sheridan, J. 1971 Low-resistance junctions between cancer cells in various solid tumors. J. Cell Biol. 45:91.(Abstract of this paper selected for inclusion in Cancer Year Book, 1971)
- *7. Hammer, J.G., J. Sheridan and R.D. Estensen 1971 Cytochalasin B II; Selective inhibition of cytokinesis in Xenopus laevis eggs. Proc. Soc. Exp. Biol. Med. 136:1158.
- *8. Sheridan, J. 1971 Electrical coupling between fat cells in newt fat body and mouse brown fat. J. Cell Biol. 50:795.
- *9. Clough, J.F.M., C.G. Phillips and J. Sheridan 1971 The short-latency projection from the baboon's motor cortex to fusimotor neurons of the forearm and hand. J. Physiol. 216:257.

- *10. Estensen, R.D., M.D. Rosenberg and J. Sheridan 1971 Technical comment on N.K. Wessell's paper. *Science* 173:356.
- *11. Johnson, R.G. and J.D. Sheridan 1971 Junctions between cancer cells in culture: ultrastructure and permeability. *Science* 174:717.
- *12. Sheridan, J. 1971 Dye movement and low resistance junctions between reaggregated embryonic cells. *Devel. Biol.* 26:627.
- *12a. Rogers, W., Reller, CR Jr., Sheridan, JD, Aust, JB. 1972. Tissue blood flow In the canine lower limb following lumbar sympathectomy. *Vasc. Surg.* 6:227.
- **13. Sheridan, J. 1973 Functional evaluation of low resistance junctions: Influence of cell shape and size. *Amer. Zool.* 13:1119 (Presented at Amer. Soc. Zool. Symp. in December, 1972).
- **14. Sheridan, J. 1974 Electrical coupling of cells and cell communication. In: Cell Communication, ed. R. Cox, Wiley Interscience.
- **15. Sheridan, J. 1974 Low-resistance junctions: Some functional considerations. In: The Cell Surface in Development, ed. A.A. Moscona.
- *16. Johnson, R., M. Hammer, J. Sheridan and J.P. Revel 1974 Gap junction formation between aggregated Novikoff hepatoma cells. *P.N.A.S.* 72:4536.
- **17. Sheridan, J. and R.G. Johnson 1975 Cancer cell junctions. In: Molecular Pathology, ed. R. Good and S. Day, Thomas Publishing.
- **18. Sheridan, J.D. 1976 Cell coupling and cell communication in embryogenesis. In: Cell Surface Interactions in Embryogenesis, BBA Membrances, ed. Nicholson and Poste, pp. 409-447.
- *19. Porvaznik, M., J. Sheridan and R.G. Johnson 1976 Intercellular junctions and other cell surface differentiations of H4-II-E hepatoma cells in vitro. *J. Ultrastruct. Res.* 55:343.
- *20. Epstein, M., J. Sheridan and R.G. Johnson 1977 Formation of low-resistance junctions in the absence of protein synthesis and metabolic energy production. *Exp. Cell Res.* 104:25.
- **21. Sheridan, J.D. 1977 Junction formation and experimental modification. In: Intercellular Junctions and Synapses During Development, ed. Feldman, Pitts and Gilula, Chapman and Hall, p. 3-9.
- *22. Hammer, M. and J.D. Sheridan 1978 Electrical coupling and dye transfer between acinar cells in rat salivary glands. *J. Physiol.* 275:495.
- *23. Sheridan, J.D., M. Hammer-Wilson, D. Preus and R.G. Johnson 1978 Quantitative analysis of low-resistance junction between cultured cells and correlation with gap junctional areas. *J. Cell Biol.* 76:532.
- *24. Miller, J., J. White and J.D. Sheridan 1978 Electrical response of guinea pig

megakaryocytes. *Nature* 272:643.

- *25. Provaznik, M., R.G. Johnson and J.D. Sheridan 1978 Tight junction development between cultured hepatoma cells: Possible stages in assembly and enhancement with dexamethasone. *J. Supramolecular Struct.* 10:13.
- *26. Sheridan, J.D., M.E. Finbow, and J.D. Pitts 1979 Metabolic interactions between animal cells through permeable intercellular junctions. *Exp. Cell Res.* 127:159.
- *27. Pederson, D.C., J.D. Sheridan and R. Johnson 1980 The development of metabolite transfer between reaggregating Novikoff hepatoma cells. *Exp. Cell Res.* 127:159.
- *28. Preus, D., R.G. Johnson and J.D. Sheridan 1981 Gap junctions between Novikoff hepatoma cells following dissociation and recovery in the absence of cell contact. *J. Ultrastruct. Res.* 77:248.
- *29. Preus, D., R.G. Johnson and J.D. Sheridan 1981 Analysis of gap junctions and formation plaques between reaggregating Novikoff hepatoma cells. *J. Ultrastr. Res.* 77:263.
- *30. Atkinson, M.M., A.S. Menko, R.G. Johnson, J.R. Sheppard and J.D. Sheridan 1981 Rapid and reversible reduction of junctional permeability in cells infected with a temperature- sensitive mutant of avian sarcoma virus. *J. Cell Biol.* 91:573.
- **31. Sheridan, J.D. and D.M. Larson 1982 Junctional communication in the peripheral vasculature. In: The Functional Integration of Cells in Animal Tissues, ed. J.D. Pitts and M.E. Finbow, Cambridge University Press, p. 263.
- *32. Larson, D.M. and J.D. Sheridan 1982 Intercellular junctions and transfer of small molecules in primary vascular endothelial cultures. *J. Cell Biol.* 92:183.
- *33. Michaels, R.M. and J.D. Sheridan 1981 Cell communication in the islets of Langerhans. *Science* 214:801.
- *34. Larson, D.M., E. Kam and J.D. Sheridan 1983 Junctional transfer in cultured vascular endothelium: I. Electrotonic transfer. *J. Membr. Biol.* 74:103.
- *35. Meda, P., R.L. Michaels, P.A. Holban, L. Orci and J.D. Sheridan 1983 In vivo modulation of gap junctions and dye coupling between B-cells in intact pancreatic islets. *Diabetes* 32:858.
- *36. Larson, D.M. and J.D. Sheridan 1983 Junctional transfer in cultured vascular endothelium: II. Dye and nucleotide transfer. *J. Membr. Biol.* 83:157.
- **37. Sheridan, J.D. and M.M. Atkinson 1985 Physiological role of permeable junctions: some possibilities. *Ann. Rev. Physiol.* 47:337.
- **38. Atkinson, M.M. and J.D. Sheridan 1985 Reduced junctional permeance in cells transferred by viral oncogenes. Cold Spring Harbor Banbury Proceedings, ed. M.V.L. Bennett and D.C. Spray, pp. 205-213.

- *39. Atkinson, M.M., S.K. Anderson and J.D. Sheridan 1985 Modification of gap junctions in cells transformed by a temperature-sensitive mutant of Rous sarcoma virus. *J. Membr. Biol.* 91:53.
- **40. Sheridan, J.D. 1987 Cell communication and growth. In: Intercellular Communication - New Perspectives, ed. W. DeMello, Plenum Press, New York.
- *41. Sorenson, R.L., M.G. Johnson, J.A. Parsons and J.D. Sheridan 1987 Decreased glucose stimulation threshold and enhanced cell coupling in beta cells of prolactin treated rats. *Pancreas* 2:283.
- *42. Biegon, R., M.M. Atkinson, T-F. Liu, E. Kam and J.D. Sheridan 1987 Permeance of Novikoff hepatoma gap junctions: quantitative video analysis of dye transfer. *J. Memb. Biol.*, 96:225.
- *43. Michaels, R.L., R.L. Sorenson, J.A. Parsons and J.D. Sheridan 1987 Prolactin enhances cell-to-cell communication among islet B-cells. *Diabetes* 36:1098.
- *44. Sorenson, R.L., T.C. Brelje, O.D. Hegre, S. Marshall, P. Anaya, J.D. Sheridan. 1987. Prolactin (In vitro) decreases the glucose stimulation threshold, enhances Insulin secretion, and Increases dye coupling among Islet B cells. *Endocrinology* 121:1447.
- *45. Jackman, R.W., S.K. Anderson, and J.D. Sheridan 1988 The aortic intima in organ culture: response to culture conditions and partial endothelial denudation. *Amer. J. Path.* 133:241.
- *46. Sheridan, J.D., P.A. Anaya, J.A. Parsons, R.L. Sorenson. 1988. Increased dye coupling In pancreatic Islets from rats In late-term pregnancy. *Diabetes* 37:908.
- *47. Atkinson, M.M., and J.D. Sheridan 1988 Altered junctional between cells transfored by v-ras, v-mos, or v-src. *J. Amer. Physiol.* 255 (Cell Physiol. 24): C674.
- **48. Sheridan, J.D. 1989 Review of Book: "Gap Junctions", *Science* 243:674 (invited).
- **49. Sheridan, J.D., 1990, A Proactive Approach to Graduate Teaching Assistants in the Research University: One Graduate Dean's Perspective, in: Preparing the Professoriate of Tomorrow to Teach: Selected Readings on TA Training, edited by Jody Nyquist, Robert Abbott, Don Wulff, and Jo Sprague. Kendall/Hunt.
- *50. Johnson R.G., R.A. Meyer, X.R. Li, D.M. Preus, L. Tan, H. Grunenwald, A.F. Paulson, D.W. Laird, J.D. Sheridan. 2002. Gap junction assemble In the presence of cytoskeletal Inhibitors, but enhanced assembly requires microtubules. *Exp. Cell Res.* 275:67.

Recent Presentations/Posters

Sheridan, J.D., Evenson, K, and R.G. Johnson. (2003) A new dye-leakage approach to estimating membrane permeance of Cx43-hemichannels. International Gap Junction Conference, Cambridge, UK (poster)

TenBroek, E.M., Sheridan, J.D., and R.G. Johnson (2001) Characterization of an *in vitro* system for studying of the role of connexins in maintaining myocardial cell beat synchrony. International Gap Junction Conference, Hawaii (poster)

Sheridan, J.D., Krufka, A., Hackett, P.B. and R.G. Johnson (2000) Gap junction communication in the developing zebrafish notochord. Zebrafish Development & Genetics, Cold Spring Harbor (poster)

Finis, C, Essner, J, Krufka, A., Sheridan, J., Hackett, P., and R. Johnson (1999) Gap junctions in zebrafish embryos: a Cx45 homologue is expressed in the developing notochord and Cx43 is found at multiple sites in later embryos. International Gap Junction Conference, Gwatt, Switzerland. (joint presentation)

Other Publications:

1. Sheridan, J.D., "Perspectives from 202 Jesse Hall." Graduate School and Research Notes, Vol 14, No. 5, pp 1-2, January 1988.

2. Sheridan, J.D., "Perspectives from 202 Jesse Hall: The Research Continuum." Graduate School and Research Notes, Vol 14, No 6, pp 1-2, February 1988.

3. Sheridan, J.D., "The Three C's of Graduate Education." Graduate School and Research Notes, Vol 15, No. 2, pp 1-2, October 1988.

4. Sheridan, J.D., "Perspectives from 202 Jesse Hall: The Graduate Student As Communicator." Graduate School and Research Notes, Vol 15, No. 9, pp 1-2, May 1989.

5. Sheridan, J.D., "Perspectives from 202 Jesse Hall: Doctoral Education in Science and Engineering." Graduate School and Research Notes, Vol 15, No 10, pp 1-4, June/July 1989.

6. Sheridan, J.D., "The Public Research University: A Complete Learning Community." Graduate School and Research Notes, Vol 16, No 1, pp 1-3,6 September 1989.

7. Sheridan, J.D., "The PhD Program and the Public Research University." Graduate School and Research Notes, Vol 16, No 2, pp 1-2, October 1989.

8. Sheridan, J.D., "The Undergraduate in a Public Research University." Graduate School and Research Notes, Vol 16, No 5, pp 1-4, February 1990.

9. Sheridan, J.D., "Outreach in a Public Research University." Graduate School and Research Notes, Vol 16, No 6, pp 1-2,4, March 1990.

10. Sheridan, J.D., "Research, Scholarship and Creative Achievements in a Public Research University." Graduate School and Research Notes, Vol 16 Supplement, pp 1-3.

11. Sheridan, J.D., "Perspectives from 202 Jesse Hall: Making the Case for

MU as a Public Research University." Graduate School and Research Notes, Vol17, No 1, pp 1-3, September 1990.

12. Sheridan, J.D. "Making the Case for MU As a Public Research University: The Role and Challenge of Diversity." Graduate School and Research Notes, Vol 17, No3, pp1-3 January, 1991.

13. Kirk, D. and Sheridan, J.D. Revised edition of: Opportunity and Adventure in CELL BIOLOGY, published by the American Society of Cell Biology, 1988.