

• Baccalaureate San Francisco State University (Biology)B.A.

1962

• **Graduate** University of California, Berkeley (Zoology)Ph.D. 1969

#### **Postdoctoral Training**

Albert Einstein College of Medicine 1969-1971

Dept. of Anatomy

#### **Faculty Positions**

Assistant Professor of Zoology 1971-1977

Pomona College, Claremont, CA

Acting Assistant Prof. of Anatomy, 1977-1978

University of Minnesota

Associate Professor of Biology, 1978-1979

Pomona College, Claremont, CA

Research Assistant Professor, 1979-1983

Department of Medicine

(Metabolism, Endocrinology and Nutrition)

Univ. of Washington

| Research Assistant Professor,   | 1979-1983    |
|---|--------------|
| Joint Appointment, Dept. of   |              |
| Biological Structure, Univ. of Washington Research Associate Professor, | 1983-1989    |
| Dept. of Medicine   |              |
| (Metabolism,Endocrinology   |              |
| and Nutrition) Univ. of Washington                                      |              |
| Research Associate Professor,   | 1983-1989    |
| Joint Appointment,  |              |
| Dept. of Biological Structure,  |              |
| Univ. of Washington   |              |
|   |              |
| Research Professor,   | 1989-present |
| Department of Medicine  |              |
| (Metabolism, Endocrinology and Nutrition)                               |              |
| Univ. of Washington   |              |
|   |              |
| Research Professor,   | 1989-present |
| Joint Appointment,  |              |
| Department of Biological Structure,                                     |              |
|   |              |
| Univ. of Washington   |              |

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## **Hospital Positions**

| <ul> <li>Acting Associate Chief of<br/>Staff for Research &amp; Development,<br/>VA Puget Sound Health Care System, Seattle, WA</li> </ul> | 2012-present |
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| <ul> <li>VA Senior Research Career</li> <li>Scientist, VAPSHCS, Seattle, WA</li> </ul>   | 2001-2015    |
| • VA Research Career Scientist<br>VAPSHCS, Seattle, WA   | 1991-2001    |
| Research Scientist VAPSHCS, Seattle, WA  | 1989-1991    |

### Honors

| NIH Predoctoral Fellowship (U.C., Berkeley, CA)  | 1967-1969    |
|--|--------------|
| • NIH Postdoctoral Fellowship<br>(Albert Einstein College of Medicine)   | 1969-1971    |
| <ul> <li>National Research Service Award (individual),</li> <li>NIMH (Anatomy, Univ. of Minnesota Medical School)</li> </ul>                         | 1977-1978    |
| <ul> <li>Department of Veterans Affairs</li> <li>Associate Research Career Scientist</li> </ul>  | 1991-2001    |
| <ul> <li>Department of Veterans Affairs,</li> <li>Senior Research Career Scientist</li> </ul>  | 2001-present |
| <ul> <li>Paul Nakane Prize in Histochemistry,</li> <li>International Federation of Societies of</li> <li>Histochemistry and Cytochemistry</li> </ul> | 2008         |

### **Professional Organizations**

- Society for Neuroscience
- Endocrine Society
- American Diabetes Association
- Council of Science Editors
- Histochemical Society

Councilor (1986-88)
President (1989-90)
Management Evaluation Committee, Chair (1991-1992)
Past Presidents Journal Review
Committee (Chairman) (1993-1994)

 International Federation of Societies for Histochemistry and Cytochemistry

> Secretary General (1996-2004) President (2004-2008)

## **Teaching**

- Pomona College (**1971-1979**): Cell Biology, Electron Microscopy, General Biology, Comparative Anatomy, Histology
- University of Washington School of Medicine (1980-1992): Medical/Dental Histology

#### **Editorial Responsibilities**

| Associate Editor, Endocrinology   | 2008-2012    |
|---|--------------|
| Executive Editor, Journal of Histochemistry and Cytochemistry               | 2006-present |
| Editor-in-Chief, Journal of Histochemistry and Cytochemistry                | 1995-2005    |
| Editorial Board member, Endocrinology                                       | 1997-2004    |
| Editorial Board member, J Cellular & Molecular Medicine                     | 2000-2007    |
| <b>Editorial Board member</b> , Journal of Histochemistry and Cytochemistry | 1980-1995    |

# Special National Responsibilities

| NIH Special Review Site Visit Committee, NINDS Health Sciences Foundation Developing Scholars   | 1991-1992            |
|---|----------------------|
| Selection Committee, Medical University of South Carolina<br>NIH NIDDK Special Review Panel for   | 1996-present<br>1999 |
| Diabetes Endocrinology Research Centers<br>NIH NIDDK Review panel for Loan Repayment Program<br>NIH NIDDK Special Review Panel for<br>Diabetes Endocrinology Research Centers | 2003<br>2004         |
| NIH NIDDK Special Review Panel for K01 Award NIH NIDDK Special Review Panel for Diabetes Endocrinology Research Centers   | 2004<br>2006         |
| University of Luebeck, Germany, External Scientific Review Panel for Center on Glucose and Brain Function   | 2006-present         |
| NIH NIDDK Special Review Panel for Institutional Training Grants (T32, T35)   | 2007                 |
| NIH NIDDK Committee for developing  | 2007-2008            |
| a Diabetes Centers website  NIH NIDDK Special Review Panel for  | 2009                 |
| Diabetes Endocrinology Research Centers NIH NIDDK Special Committee on Medical  | 2008-2010            |
| Student Research in Diabetes Research Centers NIDDK Special Committee on Diabetes Centers P&F Best Practices  | 2009-2010            |

## Special Local Responsibilities

| Acting Associate Chief of Staff for Research, VAPSHCS  | 2012-        |
|--|--------------|
| <ul> <li>Deputy Director, Cellular and Molecular Imaging Core Laboratory</li> <li>Diabetes Research Center, University of Washington School of Medicine</li> </ul>   | 2011-present |
| <ul> <li>Director, Cellular and Molecular Imaging Core Laboratory,<br/>(formerly Cytohistochemistry Core) Diabetes Endocrinology Research Center,<br/>Department of Medicine, University of Washington School of Medicine</li> </ul> | 1979-2011    |
| <ul> <li>Director, Morphological Analysis and ImageCore (Histology and<br/>Confocal Microscopy) R&amp;D Service, VAPSHCS, Seattle</li> </ul>   | 1980-present |
| <ul> <li>Associate Director for Pilot &amp; Feasibility and Enrichment Programs, 1992-2004</li> <li>Diabetes Endocrinology Research Center, Department of Medicine,</li> <li>University of Washington School of Medicine</li> </ul>  |              |
| <ul> <li>Associate Director for Pilot &amp; Feasibility Research Programs,</li> <li>Diabetes Endocrinology Research Center, Department of Medicine,</li> </ul>   | 2004-present |
| University of Washington School of Medicine  | 2004-present |
| <ul> <li>Director, VA REAP on Diabetes (Research Enhancement Award Program)</li> <li>VA Puget Sound Health Care System, (VAPSHCS) Seattle</li> </ul>   | 2003-2008    |

#### VA Medical Center Committees

| • | Biomedical Scientific Review Subcommittee, R&D Service, VAPSHCS (Chair)  | 2007-2012 |
|---|--|-----------|
| • | Space Committee, Research & Development Service, VAPSHCS                 | 2005-2012 |
| • | Scientific Review and Evaluation Committee, R & D Service (Chair)        | 2004-2005 |
| • | Scientific Review and Evaluation Committee, R & D Service, VAPSHCS       | 2003-2004 |
| • | Morphological Analysis Core Oversight Committee, R & D Service, VAPSHCS  | 1999-2005 |
| • | Space Committee, Research & Development Service (Chair), VAPSHCS         | 1999-2001 |
| • | Research & Development Committee, VAPSHCS                                | 1997-1999 |
| • | Equipment Subcommittee, Research & Development Service (Chair) 1997-1998 | 3         |
| • | Scientific Review and Evaluation Committee, R & D Service (Chair)        | 1995-1997 |
| • | R&D Equipment Subcommittee (Chair)                                       | 1989-1995 |
| • | Faculty Search Committee for American Lake VA Medical Center             | 1991-1992 |
| • | Scientific Review and Evaluation Committee, R & D Service                | 1991-1993 |
| • | Computer Subcommittee, R & D Service                                     | 1991-1993 |
|   | Scientific Review and Evaluation Committee, R & D Service                | 1985-1987 |
| • | Animal Studies Review Committee, R & D Service                           | 1984-1986 |

#### University Committees and Other Activities

| <ul> <li>Research Faculty Search Committees (Chair)</li> <li>Department of Medicine, University of Washington</li> </ul>         | 2004-2008 |
|--|-----------|
| <ul> <li>University of Washington Faculty Senate (elected)</li> </ul>  | 2004-2006 |
| <ul> <li>Faculty Council on Research and Graduate Education (elected)</li> </ul>   | 2001-2004 |
| <ul> <li>Faculty Development (Promotions/Tenure) Committee,</li> </ul>   | 2000-2001 |
| Department of Biological Structure, University of Washington   |           |
| Space Committee, Department of Biological Structure,   | 1995-1997 |
| University of Washington School of Medicine  |           |
| <ul> <li>Medical Student Research Training Committee, University of</li> </ul>   | 1993-1996 |
| Washington School of Medicine  |           |
| <ul> <li>Faculty Development (Promotions/Tenure) Committee, Department</li> </ul>  | 1991-1995 |
| Biological Structure, University of Washington   |           |
|  |           |
| <ul> <li>School of Medicine (Chair)</li> </ul>   | 1991-1995 |
| <ul> <li>Molecular and Cellular Biology Training Grant, Evaluation and Review</li> </ul>   | 1990-1993 |
| Committee, University of Washington (Chair)  |           |
| <ul> <li>Council on Scientific Affairs, University of Washington School of<br/>Medicine (elected)</li> </ul>                     | 1991-1993 |
| <ul> <li>Medical Student Vertical Advising Group, University of Washington<br/>School of Medicine</li> </ul>                     | 1984-1986 |
| <ul> <li>Instructional Affairs Committee, Dept. Biological Structure, University<br/>of Washington School of Medicine</li> </ul> | 1984-1986 |
| <ul> <li>Premedical Student Advisory Committee, Pomona College</li> </ul>  | 1973-1979 |
| Committee on Promotions and Tenure, Pomona College   | 1976-1979 |

#### **Publications**

and Other Activities

| • Papers in peer-reviewed journals               | 167 |
|--|-----|
| Book chapters                                    | 20  |
| Other Publications                               | 10  |
| <ul> <li>Recent Invited Presentations</li> </ul> | 43  |