CURRICULUM VITAE FOR MICHAEL J. SMERDON

ADDRESS

School of Molecular Biosciences
Biotechnology Life Sciences Building
1770 Stadium Way
Washington State University
Pullman, WA 99164-7520
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Fax: 509-335-4159
e-mail: smerdon@wsu.edu

EDUCATION

1966-1970: B.A., Physics and Mathematics, St. Cloud State University, St. Cloud, MN
1970-1972: M.S., Physics, Oregon State University, Corvallis, OR
1972-1976: Ph.D., Biochemistry and Biophysics, Oregon State University, Corvallis, OR
1976-1978: Postdoctoral Fellow, Pathology, Washington University School of Medicine, St. Louis, MO

CURRENT POSITION

Regents Professor of Biochemistry and Biophysics, School of Molecular Biosciences, Washington State University

PREVIOUS POSITIONS AND EXPERIENCE

Interim Director, School of Molecular Biosciences (2002-2003)
Edward R. Meyer Distinguished Professor of Biochemistry and Biophysics, School of Molecular Biosciences (2001-2004)
Professor of Biochemistry and Biophysics, School of Molecular Biosciences, Washington State University, 1987-present.
Associate Professor of Biochemistry and Biophysics, Washington State University, 1984-1987.
Assistant Professor of Biochemistry and Biophysics, Washington State University, 1980-1984.
Research Assistant Professor of Pathology, Department of Pathology, Washington University School of Medicine, St. Louis, MO, 1979-1980.
Research Instructor, Department of Pathology, Washington University School of Medicine, St. Louis, MO, 1978-1979.
Postdoctoral Fellow under **Dr. Michael Lieberman**, Department of Pathology, Washington University School of Medicine, St. Louis, MO, 1976-1978.
Research Assistant under **Dr. Irvin Isenberg**, Department of Biochemistry and Biophysics, Oregon State University, Corvallis, OR, 1972-1976.
Research Assistant under **Dr. Melvin Cutler**, Department of Physics, Oregon State University, Corvallis, OR, 1971-1972.
Teaching Assistant, Department of Physics, Oregon State University, Corvallis, OR, 1970-1971.

AWARDS AND HONORS

Washington State Academy of Sciences (2013)
Eminent Faculty Award, Washington State University (2012)
Fellow of the American Association for the Advancement of Science (2010)
Excellence in Research Award, School of Molecular Biosciences (2010)
Regents Professor, Washington State University (2006)
Recognized as being in the top 5% of (extramural) NIH grant awardees over the last 25 years, NIH project: Mentorship in the Life Sciences, MIT and Columbia Univ. (2006)

Science and Engineering Alumni Leadership Award, St. Cloud State University (2003)
NIH MERIT Award (2001-2011) (*Environmental Health Perspectives*, vol. 109, p. A493, www.ncbi.nlm.nih.gov/pmc/articles/PMC1242092/pdf/ehp0109-a00493
Edward R. Meyer Distinguished Professor of Biochemistry and Biophysics (2001-2004)
Distinguished Faculty Address, Washington State University (2000)
Distinguished Faculty Award, Division of Sciences, Washington State University (1999)
Editorial Board of *The Journal Biological Chemistry* (1998-2003)
Sahlin Faculty Excellence Award, Washington State University (1997)
Guest Professor, Institute für Zellbiologie, Eidgenössische Technische Hochschule (ETH; Swiss Federal Institute of Technology), Zürich, Switzerland (1986-1987; 1995-1996)
Vice-Chair and Chair, Gordon Research Conference on Mammalian DNA Repair (1993; 1995)
NIH Research Career Development Award (RCDA) (1982-1987)
NIH-NIEHS Young Environmental Scientist Grant Award (1978-1981)
Allworth Memorial Fund Science Scholarship (1967-1970)

SOCIETIES

American Society for Biochemistry and Molecular Biology, American Chemical Society, Biophysical Society, American Association for the Advancement of Science, Union of Concerned Scientists

MAJOR RESEARCH INTERESTS

1) DNA damage and repair in eukaryotes
2) Chromatin structure and function
3) Carcinogenesis, cancer prevention and treatment

RESEARCH GRANTS RECEIVED

National Institute of Environmental Health Sciences, NIH, Grant R01 ES01797, "Carcinogen Damage and Repair of DNA in Human Chromatin," $89,925 (total direct costs, TDC), 1978-1981
National Institute of Environmental Health Sciences, NIH, Grant R01 ES02614, "Repair of Carcinogen-Damaged DNA in Human Chromatin," $182,347 (TDC), 1980-1984
NIH Biomedical Research Support Grant to Washington State University, "Chemical Carcinogen Damage and Repair of DNA in Human Chromatin," $8,209 (TDC), 1981-1982
American Cancer Society Grant to Washington State University, "Repair of Carcinogen-Induced Damage in the Hyperacetylated Chromatin of Xeroderma Pigmentosum Human Cells," $3,777 (TDC), 1981-1982
NIH Biomedical Research Support Grant to Washington State University, "Histone Acetylation during Carcinogen-Induced Repair in Normal and Repair Deficient Human Cells," $7,725 (TDC), 1982-1983
NIH Biomedical Research Support Grant to Washington State University, "Repair of Ionizing Radiation-Induced DNA Damage in the Chromatin of Normal and Xeroderma Pigmentosum Human Cells," $4,416 (TDC), 1982-1983
NIH Research Career Development Award, Grant ES00110, "Repair of Carcinogen Damaged DNA in Human Cells," $209,900 (TDC), 1982-1987
Charles E. Culpepper Foundation, "DNA Damage and Repair of Model Chemical Carcinogens within Chromatin of Human Cells," $10,000 (TDC), 1983-1984
National Institute of Environmental Health Sciences, NIH, continuation of Grant R01 ES02614 (05-08), $247,588 (TDC), 1984-1987

National Science Foundation, Co-P.I. with four other faculty members at Washington State Univ., for purchase of UV/VIS spectrophotometer, $51,000 (TDC), 1984-1985
National Institute of Environmental Health Sciences, NIH, Grant R01 ES004106, "DNA Repair in a Hormone Responsive Gene," $185,820 (TDC), 1986-1990
National Institute of Environmental Health Sciences, NIH, Grant R01 ES003720, "Damage of Human Chromatin by Carcinogens," $224,142 (TDC), 1986-1992
National Institute of Environmental Health Sciences, NIH, continuation of Grant R01 ES002614 (08-12), $631,828 (TDC), 1987-1992
Battelle Pacific Northwest Laboratories, salary support and tuition for two Battelle employees to obtain Ph.D. degrees in my laboratory, $146,177, 1989-1994
National Institute of Environmental Health Sciences, NIH, continuation of Grant R01 ES004106 (04-08), $530,278 (TDC), 1990-1994
National Institute of Environmental Health Sciences, NIH, continuation of Grant R01 ES002614 (13-17), $801,893 (TDC), 1992-1997
National Institute of Environmental Health Sciences, NIH, continuation of Grant R01 ES004106 (09-13), $820,458 (TDC), 1995-1999
National Institute of Environmental Health Sciences, NIH, Grant ES/CA07018, "Gordon Research Conference on DNA Repair", $9,000 (TDC), 1995
National Science Foundation, NSF, Grant MCB-9418287, "Gordon Research Conference on Mammalian DNA Repair Mechanisms", $8,000 (TDC), 1995
U. S. Department of Energy, DOE, Grant DE-FG02-94ER61905, "Gordon Research Conference on Mammalian DNA Repair", $14,550 (TDC), 1995
National Institute of Environmental Health Sciences, NIH, continuation of Grant R01 ES002614 (18-21), $713,404 (TDC), 1997-2001
National Institute of Environmental Health Sciences, NIH, continuation of Grant R01 ES004106 (14-18), $859,655 (TDC), 1/1/00 - 12/31/04
National Institute of Environmental Health Sciences, NIH, continuation of Grant R37 ES002614 (22-26), $1,250,000 (TDC), 9/1/01-8/31/06-MERIT Award
National Institute of Environmental Health Sciences, NIH, Grant R01 ES004106 (19-23), $1,187,500 (TDC), 2005-2009.
National Institute of General Medical Sciences, NIH, Grant R01 GM071760-01A1, $1,154,451 (TDC), co-PI with Dr. R. Reeves, Washington State University, 2005-2008.
National Institute of Environmental Health Sciences, NIH, continuation of Grant R37 ES002614 (27-31), $1,250,000 (TDC), 9/1/06-8/31/11-MERIT Award
National Institute of Environmental Health Sciences, NIH, Grant 3R37ES002614-27S1 [Supplement to Grant R37 ES002614 (27-30) for reentry training of Dr. A. Zavala], $280,766 (TDC), 7/1/07-7/31/10
National Institute of Environmental Health Sciences, NIH, Grant R01 ES004106 (24-28), $1,250,000 (TDC), 2010-2014.
National Institute of Environmental Health Sciences, NIH, continuation of Grant R01 ES002614 (32-36), $1,585,000 (TDC), 8/1/11-7/31/16

CURRENT RESEARCH SUPPORT

National Institute of Environmental Health Sciences, NIH, Grant R01ES02614, "Repair of Carcinogen-Damaged DNA in Human Chromatin", $7.8 M (TDC; $11.3M TC), 1980-2016 (years 01-36)
National Institute of Environmental Health Sciences, NIH, Grant ES04106, "DNA Repair in a Hormone Responsive Gene", $4.9 M (TDC; $7.1M TC), 1986 - 2014 (years 01-28)

PERSONNEL TRAINED

Undergraduate Students:

David Anderson (1981 - 1982)
Ted Wooley (1988 - 1989)
Adrian Smith, MARC Fellow (1991)
Farshid Ghanbarizad (1994)
Daniel Zwiesler, Howard Hughes Fellow (1995 - 1996)
Jon Mac Kay (2000-2001)
Jeff Wyrick (2002)
Laura Van Wechel (2003)
Dallas Rawlins (2004)
Jon Nye (2006-2007)
Yik-Hong (Hugo) Fung (2007-2008)
Chelsea Wixom (2007-2008)
Alison Macleod (2007-2008)
Tyson Todd (2009 - 2010)
Holly Hudspeth (2008 - 2011)
John Smerdon (2008 - 2011)
Christopher Bolster (2011)
Sharayah Wahl (2013-2014)

Graduate Students, Degree, Current Position:

Khalifah Sidik, M.S., Ph.D. (1981 - 1989), Director, Med. Biotech. Prog., Dept. of Biomedical Sciences, Univ. of Illinois, Rockford, IL
John Watkins, Ph.D. (1981 - 1986), M.D., Univ. of Rochester; Physician, Newport, OR
James Gale, Ph.D. (1982 - 1987), Tech. & Dev. Coord., Tricore Reference Lab, Albuquerque, NM
Jeff Lorenz, M.S. (1985 - 1987), Technical Manager, Oncology Div., Johnson & Johnson Co.
Ahmed Murad, Ph.D. (1985 - 1991), Res. Scientist, Battelle Pacific NW National Laboratories
James Mueller, Ph.D. (1989 - 1994), Res. Technical Representative, Molecular Kinetics Corp.
Lucie Fritz, Ph.D. (1989 - 1994) Senior Staff Scientist, Pacific NW National Laboratories
David Mann, Ph.D. (1989 - 1995), Senior Staff Scientist, Los Alamos National Laboratory
Maria Meijer, M.S. (1994 - 1998), Staff Scientist, Sembiosys, Univ. of Calgary
Xiaoqi Liu, Ph.D. (1994 - 1998), Assoc. Professor, Dept. of Biochemistry, Purdue Univ., West Lafayette, IN
Xiaoyi Zhang, M.S. (1997 - 1999), Senior Research Associate, Curis, Inc., Cambridge, MA
Joe Kosmoski, Ph.D. (1996 - 1999), CEO and Chairman, Homespun Technologies, Inc.; CSO and Founder, New Sky Energy, Inc
Adrienne Karpiel, M.S. (1997 - 2000), Computer Science, Washington State University
Brian Beard, Ph.D. (1999 - 2003), Senior Res. Assoc., Fred Hutchinson Cancer Ctr., Seattle, WA
YoungHo Kwon, Ph.D. (1999 - 2003), Associate Research Scientist, Yale University
Chenbo Wang, M.S. (2002-2003), Postdoctoral Fellow, Chemistry, Boson College
Jonathan Anderson, M.S. (2001-2003), Res. Assoc., City of Hope National Medical Ctr., Duarte, CA
Yan Wang, M.S. (2004-2006), Graduate Student, Biostatistics, Washington State University
Gowri Manjusha, M.S. (2005-2006), Res. Associate, Boise State University, Boise, ID
Shima Nakanishi, Ph.D. (2002-2006), Senior Res. Assoc., The Scripps Research Institute, Jupiter, FL
Yesenia Rodriguez, Ph.D. (2009 – 2014), Postdoctoral Fellow, Washington State University
Rithy Meas, Ph.D. (2010 – present)

Medical Students, Independent Research Project:
Jill Stevenson, WAMI (2002-2003), University of Washington, medical student (2002-2006)

Research Associates:
Suey Lan, M.S., Sen. Lab. Tech. (1980 - 1984), Program Director, IBM
Karen Jensen, M.S., Sen. Lab. Tech. (1984 - 1989), Investigative Lawyer, WA attorney general office
Jirair Bedoyan, M.D., Ph.D. (1989 - 1991) Clinical Assistant Professor, Departments of Genetics and Pediatrics, Clinical Biochemical Genetics Fellow, Case Western Medical Center, Cleveland, OH
Sylvia Hering, B.S. (1994 - 1997) Tech. Director, Analytical Lab, Eola Cherry Co., Gervais, OR
Daniel Zwiesler, B.S. (1996 - 1997) Medical School, University of Arkansas
Christine Suquet, M.S., Sen. Lab. Tech. (1989 - 1998), Senior Lab. Tech., Washington State Univ.
Korrie Foley, M.S., Senior Lab. Tech. (1998 - 2000), Microbiologist, NIAID, NIH
Amy Guilliatt, B.S., Lab. Tech. (1999 – 2000) Water Quality Specialist, Neah Bay, WA
Nancy Piekarski, B.S., Lab. Tech. (2001 - 2003) Lab Maintenance, Pullman Hospital
Deirdre Fahy, M.S., Senior Res. Associate (2000 - 2007) Project Assoc., Inst. Biol. Chem., WSU
Stacey Beyer-Haendiges, B.S., Lab. Tech. (2005 – 2008) Project Assoc., SMB, WSU
Lauren Eberhart, B.S., Lab. Tech. (2008 - 2009) Grad. Student, Vet. Med., WSU
Angela Hinz, M.S., Senior Res. Associate (2007 - 2011) Research Assoc., Vet. Med., WSU
Kimberly Tjoelker, B.S., Lab. Tech. (2011 – 2012)
Kathleen Dorgan, B.S., Senior Res. Associate (2011 – present)

Postdoctoral Associates/Research Coordinators:
Brinda Ramanathan, Ph.D. (1982 - 1988) Owner, Serafina Technical Consulting, Serafina, NM
Jeannette Huijzer, Ph.D. (1988 - 1991) Res. Coordinator, Washington State Univ. (deceased)
Ahmed Murad, Ph.D. (1991 - 1992) Postdoctoral Fellow, Pacific NW National Laboratories
William Vorachek, Ph.D. (1991 - 1993) Clinical Lab Director, Pittsburgh hospital
Jeanine de Cock, Ph.D. (1992 - 1993) Staff Scientist, Den Hoed Kliniek, NL (jointly supported in NL, 1993 - 1994) Div. Cell. Biochem., The Netherlands Cancer Institute, Amsterdam, NL
Ranjan Gupta, Ph.D. (1990 - 1995) Regional Officer for South Asia & Eurasia, Office of Global Research (OGR), National Institute of Allergy and Infectious Diseases (NIAID), NIH
David Brown, Ph.D., NIH NRSA Fellow (1992 - 1996) Professor, Department of Chemistry & Mathematics, Florida Gulf Coast University, Ft. Myers, FL
David Mann, Ph.D. (1995 - 1996) Senior Res. Scientist, Los Alamos National Laboratory, NM
Bonnie Baxter, Ph.D., NIH NRSA Fellow (1994-1996) Director, Great Salt Lake Institute and Professor of Biology, Westminster College, Salt Lake City, UT
Xiaoqi Liu, Ph.D. (1998 - 1999) Faculty, Dept. of Biochemistry, Purdue Univ., West Lafayette, IN
Joe Kosmoski, Ph.D. (1999) CEO and Chairman, Homespun Technologies Inc., Sunnyvale, CA
Dinara Lukmanova-Kline, Ph.D. (2001 - 2002) Chemical synthesis of DNA photoproducts
Xiling Wu, M.D./Ph.D. (2001 - 2003) Research Assoc., VCAPP, School of Vet. Med.,WSU
Shisheng Li, Ph.D. (1997 - 2003) Assoc. Professor, Department of Comparative Biomedical Sciences, School of Veterinary Medicine, Louisiana State University, Baton Rouge, LA
YoungHo Kwon, Ph.D. (2003 - 2004) Associate Research Scientist, Molecular Biophysics and Biochemistry, Yale University School of Medicine
Vyacheslav Bespalov, Ph.D. (1999 - 2007) Postdoctoral Fellow, Eppley Institute for Research in Cancer and Allied Diseases, University of Nebraska Medical Center, Omaha, NB

Zeljko Svedruzic, Ph.D. (2003 - 2006) Principal Investigator, Laboratory for Medicinal Biochemistry, Faculty of Medicine, University of Rijeka, Rab, Croatia
Ronita Nag, Ph.D. (2005-2009) Asst. Professor, Dept. of Biotechnology, St. Xavier's College, University of Calcutta, Kolkata, India
Shubho Chaudhuri, Ph.D. (2005 - 2009) Asst. Professor, Plant Molecular and Cellular Genetics, Bose Institute, Kolkata, India
Anamaria Zavala, Ph.D. (2007 – 2010) Postdoctoral Fellow, Dept. of Microbiology, Molecular Biology and Biochemistry, University of Idaho
Mingrui Duan, Ph.D. (2007 – 2012) Research Asst. Professor, School of Mol. Biosciences, Washington State University
Peng Mao, Ph.D. (2007 – 2013) Senior Postdoctoral Fellow, School of Mol. Biosciences, Washington State University
Wioletta Czaja, Ph.D. (2009 – 2013) Senior Postdoctoral Fellow, Washington Center for Muscle Biology, Washington State University
Yesenia Rodriguez, Ph.D. (2014 – present) Postdoctoral Fellow, School of Mol. Biosciences, Washington State University

Research Asst. Professors:
Antonio Conconi, Ph.D. (1995 - 2002) Assoc. Professor and Director of the Program of Microbiology and Director of the Oncology Research Axis, Faculty of Medicine, University of Sherbrooke, Quebec, Canada
Shisheng Li, Ph.D. (2003 - 2004) Assoc. Professor, Department of Comparative Biomedical Sciences, School of Veterinary Medicine, Louisiana State University, Baton Rouge, LA
Feng Gong, Ph.D. (2003 - 2007) Asst. Professor, Dept. of Biochemistry and Molecular Biology, University of Miami School of Medicine, Miami, FL
Mingrui Duan, Ph.D. (2013 – 2014)
John Hinz, Ph.D. (2007 – present)

Visiting Scientists:
Dr. Byungchan Ahn, 2000, Dept. of Life Sciences, University of Ulsan, Korea
Dr. Khalifah Sidik, 2002, Biomed. Science Prog., University of Malaysia, Kuala Lumpur

COURSES TAUGHT
BC/BP 371/372 (undergraduate Physical Chemistry) Sp'81, Sp'82, Sp'83, F'83
BC/BP 472-MBIOS 465 (undergraduate Physical Biochemistry) Sp'98, Sp'99, Sp'00, Sp'05, Sp'07, Sp'08, Sp'09, Sp'10, Sp'11, Sp'12, Sp'13, Sp'14
BC/BP 565/573-MBIOS 466/566 (course director: graduate/undergraduate Physical Biochem.) F'81, F'84, F'85, F'87, F'88, F'90, F'92, F'94, F'96, F'98, F'00, F'01, F'02, F'04, F'05, F'06, F'08
BC/BP 591 (coordinator: graduate Biochem/Biophys seminar) F'83, Sp'84, Sp'97, Sp'98, F'99
MBIOS 579 (coordinator: graduate SMB seminar) F'01 – Sp'04
BC/BP 568 (graduate special topics on DNA Repair) Sp'85, Sp'91
BC/BP 563-MBIOS 413/513 (graduate/undergraduate General Biochemistry) F'91, F'93, F'11, F'12
Graduate/Postgraduate lecture series on DNA Repair (Institute für Zellbiologie, ETH-Zürich, Switzerland, Sp'1986, Sp'1996 and University of Leiden, The Netherlands, Sp' 2004)
Invited lectures in:
CCFS 320 (undergraduate Perspectives in Human Aging)
BC/BP 569 (graduate Nucleic Acid Biochemistry)

BC/BP 566 (graduate Molecular Biology II)
Pharm/Tox 565 (graduate Mutagenesis and Carcinogenesis)
MBIOS 404 (undergraduate Molecular Genetics) Sp'08
MBIOS 508 (Quantitative Approaches in Molecular Biosciences) Sp'10, Sp'11, F'12

RECENT SCIENTIFIC MEETINGS (last 10 years; 47 not listed)

2003 **Gordon Research Conference on Mammalian DNA Repair**, Ventura, CA - session chairman and speaker; 2 posters presented from my lab
2003 **Environmental Mutagen Society**, Miami, FL- invited speaker
2003 **First US-EU DNA Repair Meeting: Endogenous Stress**, National Conference Center, Virginia - invited speaker
2004 **Inland NW Cancer Conference**, Spokane, WA - Conference Planning Committee - 5 posters presented from my lab
2004 **ASM Conference on DNA Repair and Mutagenesis: From Molecular Structure to Biological Consequences**, Southampton, Bermuda – attended by F. Gong from my lab, presented poster
2005 **Gordon Research Conference on Mammalian DNA Repair**, Ventura, CA - attended by V. Bespalov from my lab, presented poster
2005 **9th International Conference on Environmental Mutagens**, San Francisco, CA - poster presented from my lab
2006 **Gordon Research Conference on Chromatin Structure and Function**, Il Ciocco, Lucca, Italy - presented poster
2006 **Workshop on DNA repair**, Stanford University, Stanford, CA – invited speaker
2006 **37th Annual Meeting of the Environmental Mutagen Society**, Vancouver, BC - session chairman and speaker; 4 posters presented from my lab
2007 **Gordon Research Conference on Mammalian DNA Repair**, Ventura, CA - session chairman and speaker; 2 posters presented from my lab
2007 **Tolmach Symposium on Chromatin Structure and DNA Repair**, Washington University, St. Louis, MO – speaker
2007 **Asilomar Chromatin and Chromosomes Conference**, Pacific Grove, CA - attended by D. Fahy from my lab, presented poster
2009 **Keystone Symposia on Chromatin Dynamics and Higher Order Organization**, Coeur d'Alene, ID - attended by J. Hinz and M.-R. Duan from my lab, each presented posters
2009 **Gordon Research Conference on Genetic Toxicology**, New London, NH - session co-chairman and speaker
2010 **Keystone Symposia on Molecular Basis for Chromatin Structure and Regulation**, Taos, NM - attended by A. Zavala from my lab, presented poster
2010 **Gordon Research Conference on DNA Damage, Mutation & Cancer**, Ventura, CA - attended by J. Hinz from my lab, presented poster
2010 **Environmental Mutagen Society**, Fort Worth, TX-attended by J. Hinz from my lab, invited speaker
2010 **2nd Annual URMC Genome Stability Symposium**, University of Rochester Medical Center, Rochester, NY – Keynote speaker
2011 **Gordon Research Conference on Mammalian DNA Repair**, Ventura, CA - invited speaker; poster presented from my lab
2011 **4th EU-USA Conference on DNA Base Damage and Repair**, Oslo, Norway-invited speaker; poster presented from my lab

2011 **Gordon Research Conference On Genetic Toxicology**, Il Ciocco, Italy - Invited Speaker
2012 **American Society for Photobiology**, Montreal, Canada - Invited Speaker

RECENT INVITED SEMINARS (last 10 years; 43 not listed)
2003 Stanford University, Dept. of Biological Sciences, Stanford, CA.
2004 CNRS, Institut Curie-Recherche, Pavillon Pasteur, Paris, France.
2004 Institute für Zellbiologie, Swiss Federal Institute of Technology (ETH-Hönggerberg), Zürich, Switzerland.
2004 Five lectures on DNA Repair in Chromatin, Department of Toxicogenetics, Leiden University Medical Center, Leiden, The Netherlands.
2004 Centre for Biomedical Genetics, Erasmus Medical Center, Erasmus University, Rotterdam, The Netherlands.
2004 Three lectures on DNA Repair in Chromatin, Department of Pathology, University of Wales Medical Center, Cardiff, Wales.
2004 Environmental Toxicology Seminar Series, Univ. of CA, Riverside, CA.
2005 Washington State University, Biological Systems Engineering, Pullman, WA.
2005 Colorado State University, Biochemistry and Molecular Biology, Fort Collins, CO.
2006 New York University School of Medicine, Nelson Institute of Environmental Medicine, Tuxedo, NY.
2007 New York University, Department of Biology, New York, NY.
2008 Univ. of Miami, Department of Biochemistry and Molecular Biology, Miami, FL.
2009 Washington State University, Pharmaceutical Sciences, Pullman, WA.
2010 University of California-Davis, Joint Seminars in Molecular Biology, Davis, CA.
2011 Stanford University, Department of Biology, Stanford, CA.
2011 University of Illinois, Department of Chemistry, Chicago, IL.
2012 NIEHS, NIH, Division of Intramural Research, Research Triangle Park, NC.
2012 Washington State University-Spokane, Riverpoint Biomedical Research Seminar Series, Spokane, WA.
2013 New York University, Department of Chemistry, New York, NY.
2014 Oregon Health & Science University, Department of Molecular & Medical Genetics, Portland, OR.

OTHER PROFESSIONAL CONTRIBUTIONS
External
Reviewer of grant applications to the National Institutes of Health, National Science Foundation, Department of Energy, American Cancer Society (USA), Swiss National Fund, Medical Research Council (MRC), UK, Dutch Cancer Society, U.S. Civilian Research & Development Foundation and Research Corporation foundation (USA), Science Foundation of Ireland, Japan Society for the Promotion of Science (JSPS)
Member of special site-visit teams for the National Institute of Environmental Health Sciences (Massachusetts Institute of Technology, 1993), the Department of Energy (Los Alamos National Lab, 1994), the Medical Research Council of Canada (Montreal, 1995) and the National Cancer Institute (Beckman Research Institute, Duarte, CA, 1999; Lawrence Berkeley National Lab, Berkeley, CA, 2001)

Member of Special Emphasis Panels for NCI (Molecular Oncology P01 Cluster, Bethesda, MD, 2006; Cancer Etiology Cluster, Marina del Rey, CA, 2010; Oncology I-Basic Translational, IAM, 2011) and NIEHS (P01 Cluster, Durham, NC, 2007; P20 'ViCTER' awards, 2012)
Consultant for Battelle Pacific Northwest National Laboratories, Richland, WA (1987-1998)
Life Sci. Div. Review Committee, Los Alamos National Laboratory, Los Alamos, NM (1995 - 1998)
Scientific Advisory Board, Epoch Pharmaceuticals, Seattle, WA (1996-2001)
Review Panel for Mol. Biol. Initiative, Pacific NW National Laboratories, Richland, WA (1998)
NIEHS Division of Extramural Research and Training (DERT) Review Committee (2000)
Editorial Board, *The Journal of Biological Chemistry* (1999-2004)
Co-Editor of: *DNA Repair: Special Issue on Chromatin Modulation During DNA Repair*, Waters, R. and Smerdon, M. J., eds. (2004-2005).
Member of NIEHS Special Panel on Integrated Translational Research in DNA Repair (2006) (Reinlib, L. and Friedberg, E.C. Report of the Working Group on Integrated Translational Research in DNA Repair. DNA Repair, 2007, **6**:145-7)

Internal
American Cancer Society institutional grant review committee (1987-2011)
Technical Services Advisory Committee (1987-2000)
Radiation Safety Committee (1989-1991)
President's Faculty Excellence Award Committee (1991)
Advisory Board of the Cancer Prevention and Research Center (1991-2005)
BC/BP Advisory Committee to the Chairman (1991-1999)
Faculty Council-Div. of Sciences (1994-1996)
Faculty Searches in Biochem/Biophys, Chemistry, Math, Genet. & Cell Biol., EM Ctr. Dir., SMB Director, and SMB faculty (1985-present)
Conference Planning Committee for Inland NW Cancer Conference, Spokane, WA (1998-2005)
Faculty Tenure and Promotion committee, School of Molecular Biosciences (1999-2001)
Distinguished Faculty Address Committee (2000-2003)
WSU Provost Search Committee (2000-2001)
WSU Dean of Science Search Committee (2002-2003)
Interim Director, School of Molecular Biosciences (2002-2003)
New Faculty Seed Grant Review Panel (2006)
New Faculty Orientation Seminar (2006)
College of Sciences-Life Science Tenure and Promotion Committee (2007-2010)
WSU Provost's Advisory Committee on Tenure and Promotion (2012-2013)

PUBLICATIONS (116 total)
Invited Contributions
1. Smerdon, M. J. and Lieberman, M. W. Distribution of UV-Induced DNA Repair Synthesis in Human Chromatin. In: *DNA Repair Mechanisms*, Hanawalt, P. C., Friedberg, E. C. and Fox, C. F., eds., Academic Press, New York, pp. 327-332, 1978.
2. Lieberman, M. W., Smerdon, M. J., Tlsty, T. D. and Oleson, F. B. The Role of Chromatin Structure in DNA Repair in Human Cells Damaged with Chemical Carcinogens and Ultraviolet Radiation. In: *Environmental Carcinogenesis*, Emmelot, P. and Kriek, E., eds., Elsevier/North Holland Biomedical Press, Amsterdam, pp. 345-363, 1979.

3. Smerdon, M. J. Review of: DNA Repair, Chromosome Alterations and Chromatin Structure, Natarajan, A. T., Obe, G. and Altmann, H., eds., Elsevier Biomedical Press, Amsterdam, 1982. *The Quarterly Review of Biology* **58**, 239, 1983.
4. Smerdon, M. J., Gale, J. M. and Nissen, K. A. Mapping UV Photoproducts in Nucleosome DNA. In: *Multilevel Health Effects Research: From Molecules to Man*, Park, J. F. and Pelroy, R. A., eds., Battelle Press, Columbus, pp. 417-421, 1989.
5. Smerdon, M. J. DNA Excision Repair at the Nucleosome Level of Chromatin. In: *DNA Repair Mechanisms and their Biological Implications in Mammalian Cells*, Lambert, M.W. and Laval, J., eds., Plenum Publishing Corp., New York, pp. 271-294, 1989.
6. Smerdon, M. J. DNA Repair and the Role of Chromatin Structure. *Current Opinion in Cell Biology,* **3**, 422-428, 1991.
7. Smerdon, M. J., Gupta, R. and Murad, A. O. DNA Repair in Transcriptionally Active Chromatin. In: *DNA Repair Mechanisms*, Bohr, V. A., Wassermann, K. and Kraemer, K. H. eds., Munksgaard Int. Publishers, Copenhagen, pp. 258-270, 1993.
8. Brown, D. W., Libertini, L. J., Suquet, C., Small, E. W. and Smerdon, M. J. Effects of Nucleosome Unfolding on the Distribution of UV Damage in DNA. In: *DNA Damage: Effects on DNA Structure and Protein Recognition*, Wallace, S.S., Van Houten, B., and Kow, Y. W. eds., Annals of the N.Y. Academy of Sciences, vol. 276, pp 292-295, 1994.
9. Lehmann, A. R. et al. Special Report: Workshop on processing of DNA damage, Noordwijk-erhout, The Netherlands, held April 20-25, 1996. *Mutat. Res.* **364**, pp. 245-270, 1996.
10. Smerdon, M. J. and Thoma, F. Modulations in Chromatin Structure During DNA Damage Formation and DNA Repair. In: *DNA Damage and Repair, Volume II: DNA Repair in Higher Eukaryotes*, Nickoloff, J. A., and Hoekstra, M. F., eds., Humana Press Inc., Totowa, NJ, pp. 199-222, 1998.
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