

BIOGRAPHICAL SKETCH

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NAME: Ingrid Sadler-Riggleman

eRA COMMONS USER NAME (credential, e.g., agency login): SadlerRiggleman

POSITION TITLE: Senior Research Associate

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Ulm,	Vordiplom	1978	Biology
University of Munich	Ph.D.	1986	Biology
Princeton University	Postdoc	1986	Cell Biology
University of Utah	Postdoc	1989	Cell Biology

A.

Personal Statement. I have experience in molecular biology, cell biology and genetics and have worked with a variety of organisms and animal models (bacteria, yeast, rats, etc). I am involved with studies in the field of epigenetic transgenerational inheritance. I also function as the lab manager and supervisor for undergraduates in my current position.

B.**Positions and Honors.**

1992-1995 Research Associate in the Department of Genetics and Cell Biology, September 1992 to March 1993, Washington State University,
1993-1995 Research Associate in the USDA/ARS unit, April 1993 to April 1995 Washington State University,
1995-1996 Research Associate in MMBB, May 1995 to November 1996, University of Idaho
1999-present Project Associate Researcher in Dr. Michael Skinner's laboratory, Washington State University

C.**Contributions to Science.**

Major Contributions: (1) Elucidated transcriptional control of sex determination; (2) Elucidation of transcriptional control of testis function; (3) Elucidation of epigenetic transgenerational inheritance mechanisms; (4) Elucidation of transcriptional control of ovary function.

<http://www.ncbi.nlm.nih.gov/sites/myncbi/1PiX8IHGveyAh/bibliography/41624451/public/?sort=date&direction=ascending>.

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- Guerrero-Bosagna C, Savenkova M, Haque Md. M, **Sadler-Riggleman I**, and Skinner MK (2013) Environmentally Induced Epigenetic Transgenerational Inheritance of Altered Sertoli Cell Transcriptome and Epigenome: Molecular Etiology of Male Infertility. PLoS ONE 8(3): e59922. PMID: 23555832
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- Chaudhary J, **Sadler-Riggleman I**, and MK Skinner (2004). Identification of a novel Sertoli cell gene product SERT that influences follicle stimulating hormone actions. Gene 324:79-88. PMID: 14693373
- Saxlund MA, **Sadler-Riggleman I**, and MK Skinner (2004) Role of Basic Helix-Loop-Helix (bHLH) and CREB Transcription Factors in the Regulation of Sertoli Cell Androgen Binding Protein Expression. Molecular Reproduction and Development 68:269-278. PMID:15112319
- Y.-I.Chi, **I.Sadler**, L.M.Jablonski, S.D.Callantine, C.D.Deobald, C.V.Stauffacher, and G.A.Bohach. (2002) Effect of zinc binding site on stability and activity of Staphylococcal enterotoxin C1. J. Biol Chem. 227(25):22839-46. PMID: 11934896
- E. Nilsson, S.Westfall, **I. Sadler-Riggleman**, T. Larsen, C. McDonald and MK Skinner (2002) An in vivo mouse reporter gene (human secreted alkaline phosphatase) model to monitor ovarian tumor growth and response to therapeutics. Cancer Chemotherapy and Pharmacology. 49(2):93-100. PMID: 11862422
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- P.A.Silver, **I.Sadler**, and M.Osborne. (1989). Yeast proteins that recognize nuclear localization sequences. J.Cell Biol. 109, 983-989. PMID: 2670959

I.Sadler, A.Chiang, T.Kurihara, J.Rothblatt, J.Way, and P.A.Silver. (1989). A yeast protein important for protein assembly into the endoplasmic reticulum and the nucleus has homology to DNA J, an E.coli heat shock protein. *J.Cell Biol.* 109, 2665-2675. PMID: 2556404

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I.Sadler, K.Suda, G.Schatz, F.Kaudewitz, and A.Haid. (1984). Sequencing of the nuclear gene for the yeast cytochrome c1 precursor reveals an unusually complex amino-terminal presequence. *EMBO J.* 3, 2137-2143. PMID: 6092058

D.
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