

Matthew Hirschfeld MD/PhD

Director—Maternal Child Health
Alaska Native Medical Center
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Education

1995-2002 MD, University of Utah, Salt Lake City, UT
1995-2002 PhD—Experimental Pathology, University of Utah, Salt Lake City, UT
1991-1993 BS—Biomedical Sciences, Montana State University, Bozeman, MT
1989-1991 University of Maine, Orono, ME

Postgraduate Training

2002-2005 Pediatrics Intern/Resident, University of Washington/Seattle Children's Hospital, Seattle, WA

Clinical Experience

2005-Present Pediatric Hospitalist, Alaska Native Medical Center, Anchorage, AK
2010-Present Clinical Assistant Professor of Pediatrics, University of Washington, Seattle, WA
2006-2010 Clinical Instructor of Pediatrics, University of Washington, Seattle, WA

Management Positions

2010-Present Director—Maternal Child Health, Alaska Native Medical Center, Anchorage, AK
2008-2011 Medical Director—Department of Pediatric Hospital Medicine, Alaska Native Medical Center, Anchorage, AK
2008-Present Newborn Metabolic Screening Coordinator for the Alaska Native Health System, Anchorage, AK
2005-Present Medical Director—Newborn nursery/NICU, Alaska Native Medical Center, Anchorage, AK

Committee Memberships

2010-Present Alaska Leadership Education in Neurodevelopmental and Other Related Disabilities (LEND) Advisory Committee—Alaska Native Medical Center Representative, Anchorage, AK
2010-Present State of Alaska Maternal-Infant Mortality Review/Child Death Review Committee—Executive Committee, Pediatric Representative, Anchorage, AK
2010-Present Alaska Native Medical Center Electronic Medical Record Implementation—Physician Advisory Committee—Inpatient Pediatrics Representative, Anchorage, AK
2009-Present Medical Education Development Committee to assess the feasibility of developing a medical school for the State of Alaska, Anchorage, AK
2009-Present American Academy of Pediatrics—Indian Health Special Interest Group Steering Committee—Alaska Representative, Alaska Native Medical Center, Anchorage, AK
2009-Present Southcentral Foundation Research Oversight Committee—Voting Member, Alaska Native Medical Center, Anchorage, AK
2008-Present Alaska Track of Seattle Children's Pediatric Residency Executive Development Committee, Anchorage, AK
2008-Present Maternal Child Health Clinical Core Business Group—Chair, Alaska Native Medical Center, Anchorage, AK
2008-Present All Alaska Pediatric Partnership Executive Committee—Voting Member, Anchorage, AK
2007-Present Alaska-Area Institutional Review Board—Voting Member, Anchorage, AK
2007-Present Western States Genetic Services Collaborative—Pediatric Representative, Anchorage, AK
2007-Present Newborn Metabolic Screen Advisory Committee—Member, Anchorage, AK
2007-Present Childhood Understanding Behaviors Survey (CUBS) Steering Committee—Member, Division of Public Health, Section of Women's, Children's, and Family Health, Anchorage, AK
2008-2011 Medical Executive Committee—Voting Member, Alaska Native Medical Center, Anchorage, AK

- 2009-2010 Thesis Committee Member for Master of Science in Human Nutrition Candidate Sarah Lowe—Risk of Fasting Induced Hypoglycemia in Children with CPT-1A Deficiency, Oregon Health and Science University, Portland, OR
- 2008 Medical Emergency Preparedness Pediatrics Project: Ethics Committee—Member, Anchorage, AK
- 2006 Advisory Committee Member, Treuman Katz Center for Pediatric Bioethics, Children’s Hospital and Regional Medical Center, Seattle, WA
- 2003 Intern Selection Committee—Voting Member, University of Washington Pediatrics Residency, Seattle, WA
- 1998-2002 MD/PhD Operations Committee—Student Member, University of Utah, Salt Lake City, UT
- 1995-2002 MD/PhD Student Recruitment Committee—Lead Student Recruiter, University of Utah, Salt Lake City, UT

Invited Talks

- 2011 Pediatric Grand Rounds at Winnipeg Children’s Hospital—Maternal Child Health at Alaska Native Medical Center: Bringing Quality Care to Rural Alaska, Winnipeg, Manitoba
- 2011 Alaska Health Summit—Pediatric Subspecialists: A Distribution Model for Hiring, Retention, Anchorage, AK
- 2010 March of Dimes Prematurity Awareness Summit—Prematurity Outcomes in Rural Alaska, Anchorage, AK
- 2009 Pediatric Grand Rounds at Fairbanks Memorial Hospital—The Arctic Variant of CPT-1A, Fairbanks, AK
- 2009 Pediatric Workshop at Bartlett Regional Hospital—Infectious Causes of Respiratory Distress in Children, Juneau, AK
- 2009 Coping with Chronic Disease Conference—The Arctic Variant of CPT-1A, Anchorage, AK
- 2008 Western States Genetic Services Collaborative—Increased Incidence of CPT-1A Deficiency in the Alaska Native Population, Anchorage, AK
- 2007 Association of Women’s Health, Obstetric, and Neonatal Nurses (AWHONN) Statewide Conference—A Summary of Methamphetamine Abuse, Fairbanks, AK

Media

- 2010 Author: “Subspecialty care for Alaska’s kids,” The Bristol Bay Times, September 17, 2010.
- 2010 Interviewed for: “Un-Natural Selection: Human Evolution’s Next Steps,” All Things Considered with Robert Siegal, National Public Radio, September 6, 2010.
- 2010 Interviewed for: “Study offers way forward to meet pediatric care needs,” by Andrew Jensen, Alaska Journal of Commerce, July 30, 2010.
- 2009 Co-author: “The Department of Pediatric Hospital Medicine—Alaska Native Medical Center,” Hospital Pediatrics (Issue 2) 2009.
- 2009 Co-author: “ANMC Pediatric Hospital Group Provide Top Quality Care,” Anchorage Native News, July 2009.
- 2009 Co-Executive Producer: *The Other Energy Crisis—CPT-1 Deficiency*—A 17-minute educational DVD for the parents of children and their health care providers describing the symptoms and treatment of CPT-1A deficiency in the Alaska Native population.
- 2008 Interviewed for: “Respiratory syncytial virus causes serious illness in Alaskan babies,” The Mukluk Telegraph, October 2008.
- 2008 Interviewed for: “Respiratory virus still ‘very serious disease’ for children,” The Arctic Sounder, 2/29/08.

Medical Licensure

- 2005-Present State of Alaska #5625
- 2002-2005 State of Washington #ML20007280
- 2004 State of Idaho #MR-773

Certification

2008-Present	Pediatric Fundamental Critical Care Support
2006-Present	Advanced Trauma Life Support
2006-Present	Fellow of the American Academy of Pediatrics
2006-Present	S.T.A.B.L.E. Lead Instructor
2002-Present	Neonatal Resuscitation Program
2002-Present	Pediatric Advanced Life Support

Professional Society Membership

2009-Present	American Academy of Pediatrics, Council on Community Pediatrics—Indian Health Special Interest Group
2008-Present	American Academy of Pediatrics, Provisional Section on Hospice and Palliative Medicine
2005-Present	American Academy of Pediatrics, Section on Hospital Medicine
2005-Present	American Academy of Pediatrics, Section on Perinatal Pediatrics
2002-Present	American Academy of Pediatrics

Honors and Awards

2005	Resident Teaching Award—Pediatrics, University of Washington, Seattle, WA
2002	Max Wintrobe Award for Outstanding Graduating Medical Student, University of Utah, Salt Lake City, UT
2002	Outstanding Graduating Medical Student in Pediatrics, University of Utah, Salt Lake City, UT
1997	American Heart Association Medical Student Research Fellowship Award, University of Utah, Salt Lake City, UT
1993	Alpha Epsilon Delta Honor Society, Montana State University, Bozeman, MT
1991	Orono Chapter of AFUM Scholarship for Academic Merit, University of Maine, Orono, ME

Research Experience

1997-2000	Graduate Student—PhD candidate, Dr. Janis J. Weis's Laboratory, University of Utah, Salt Lake City, UT
1994-1995	Research Assistant, Dr. Robert A. Sharrock's Laboratory, Montana State University, Bozeman, MT
1993-1994	Research Assistant, Dr. Charles M. Paden's Laboratory, Montana State University, Bozeman, MT

Publications

Hirschfeld M, Hasegawa L, and Wood T, Developing a CPT-1A DVD for the Alaska Native Population, *NCC Collaborator*, 4:10 (2010).

Vogel SN, **Hirschfeld M**, and Perera PY, Signal integration in lipopolysaccharide (LPS)-stimulated murine macrophages, *J Endotoxin Res*, 7:237-241 (2001).

Hirschfeld M, Weis JJ, Toshchakov V, Salkowski CA, Cody MJ, Ward DC, Qureshi N, Michalek SM, Vogel SN, Signaling by Toll-like receptor 2 and 4 agonists results in differential gene expression in murine macrophages, *Infect Immun*, 69:1477-82 (2001).

Hirschfeld M, Ma Y, Weis JH, Vogel SN, Weis JJ, Cutting Edge: Repurification of lipopolysaccharide eliminates signaling through both human and murine Toll-like receptor 2, *J Immunol*, 165:618-622 (2000).

Hirschfeld M, Kirschning CJ, Schwandner R, Wesche H, Weis JH, Wooten RM, and Weis JJ, Cutting Edge: Inflammatory signaling by *Borrelia burgdorferi* lipoproteins is mediated by Toll-like receptor 2, *J Immunol*, 163:2382-2386 (1999).

Hirschfeld M, Tepperman JM, Clack T, Quail PH, and Sharrock RA, Coordination of phytochrome levels in *phyB* mutants of Arabidopsis as revealed by apoprotein-specific monoclonal antibodies, *Genetics*, 149:523-535 (1998).

Aukerman MJ, **Hirschfeld M**, Wester L, Weaver M, Clack T, Amasino RM, and Sharrock RA, A deletion in the *PHYD* gene of the Arabidopsis Wassilewskija ecotype defines a role for phytochrome D in red/far-red light sensing, *Plant Cell*, 9:1317-1326 (1997).

Other Employment

1993-1994 Ski mechanic/salesperson, Round House Ski and Sports Center, Bozeman, MT
1991 Bee keeper, RB Swan and Son, Inc., Brewer, ME
1988-1991 Ski mechanic/salesperson, Bangor Ski Rack, Bangor, ME

Personal

Born: Shiprock, NM—December 5, 1970

Hobbies: telemark skiing, fly-fishing, backpacking, river rafting, road cycling