



T, and likewise C with G, if you know the
base of the bases on one strand of a DNA double
It is a simple matter
on the other strand.

SUMMIT *for Native American & Rural Health*

Addressing the Precision Medicine Knowledge Gap

MARCH 22, 2018 | 10 A.M. TO 4 P.M.

University of Minnesota Medical School, Duluth campus

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UNIVERSITY OF MINNESOTA
MEDICAL SCHOOL, DULUTH
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MINNESOTA
PRECISION MEDICINE
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COLLEGE OF PHARMACY

MEMORY KEEPERS
MEDICAL DISCOVERY TEAM,
DULUTH

Agenda

9:30-10:00 a.m.	CHECK-IN	Atrium, Medical School Building
10:00-10:05 a.m.	<p>Blessing <i>Robert DesJarlait (Red Lake Ojibwe)</i></p> <p>Welcome <i>Paula M. Termuhlen, M.D. — Regional Campus Dean, Duluth Campus, University of Minnesota Medical School</i></p>	Room 142
10:05-10:45 a.m.	<p>KEYNOTE TALK Opportunities and Challenges: Precision Medicine in Native Communities <i>Katrina Claw, Ph.D. (Diné) — University of Washington</i></p>	Room 142
10:45-11:15 a.m.	<p>The Imperative for Research to Promote Health Equity <i>James Allen, Ph.D. — Professor, Department of Family Medicine and BioBehavioral Health, University of Minnesota Medical School, Duluth Campus</i></p>	Room 142
11:15-11:45 a.m.	<p>Challenges in Tribal Health and Where to Place Research Efforts <i>Donald V. Gunderson, M.D., M.B.A. — Medical Director, Mille Lacs Band of Ojibwe</i></p> <p>Questions and Answers about Insurance in Tribal Health <i>Robyn Garcia (Lac du Flambeau Ojibwe) — Health Director, Mille Lacs Band of Ojibwe</i></p>	Room 142
11:45-12:15 p.m.	<p>Memory Keepers Medical Discovery Team in Rural and American Indian Health <i>J. Neil Henderson, Ph.D. (Oklahoma Choctaw) — Executive Director, Memory Keepers Medical Discovery Team, and Professor, Department of Family Medicine and BioBehavioral Health, University of Minnesota Medical School, Duluth Campus</i></p>	Room 142
12:15-1:15 p.m.	LUNCH BREAK	Room 146/148

1:15-1:45 p.m.	A Precision Medicine Approach to Smoking Cessation in Native Americans <i>Dana Carroll, Ph.D. — Post-Doctoral Fellow, Department of Psychiatry, University of Minnesota Medical School</i>	Room 142
1:45-2:15 p.m.	Clinical Application of Pharmacogenomic Testing <i>Jacob T. Brown, Pharm.D., M.S. — Assistant Professor, Department of Pharmacy Practice and Pharmaceutical Sciences, University of Minnesota College of Pharmacy, Duluth</i>	Room 142
2:15-2:45 p.m.	Precision Medicine: Lung Cancer Screening and Tumor Mutations in American Indians <i>Abbie Begnaud, M.D. — Assistant Professor of Medicine, Division of Pulmonary, Allergy, Critical Care and Sleep Medicine, University of Minnesota Medical School</i>	Room 142
2:45-3:15 p.m.	A Precision Medicine Approach to Integrated Behavioral Health <i>Joseph Bianco, M.D. — Essentia Health Primary Care Director and Family Practice Physician</i>	Room 142
3:15-3:45 p.m.	Telemedicine in Mental Health <i>Melvina D. Bissonette, M.D. (Lakota, Navajo) — Physician, Mille Lacs Band of Ojibwe</i>	Room 142
3:45 p.m.	Concluding Remarks <i>Paula M. Termuhlen, M.D.</i> Closing Blessing <i>Robert DesJarlait (Red Lake Ojibwe)</i>	Room 142

Speaker Bios

James Allen, Ph.D., is Professor of Biobehavioral Health and Population Sciences at the University of Minnesota Medical School, Duluth Campus. He is a licensed psychologist with interests in individual and family therapy. His current studies explore the effectiveness of culturally grounded preventive strategies for suicide, substance use, and health promotion; youth and community level resilience; prevention of vascular risk; cultural issues in health services; and community-based participatory research. For almost two decades our team has collaborated in a research relationship with Alaska Native community partnerships to discover Alaska Native pathways to sobriety and reasons for life as a positive framework for suicide and substance abuse prevention.

Abbie Begnaud, M.D. is a southerner who joined the University of Minnesota faculty in 2013. She is interested in the diagnosis and treatment of lung cancer and other malignant diseases of the chest. She is trained in advanced diagnostic and therapeutic procedures, as well as general pulmonary and critical care medicine. She collaborated to launch the University of Minnesota Health Lung Cancer Screening Program and continues to oversee all its activities, and she co-leads the lung cancer pilot project of the Minnesota Precision Medicine Collaborative.

Joseph Bianco, M.D. is a board-certified family practice physician with Essentia Health, an integrated health system that serves northern Wisconsin, Minnesota, and Western North Dakota. Dr. Bianco also serves as the Director of Primary Care for Essentia Health. In these various leadership roles, Dr. Bianco is working on initiatives for the development of a sustainable and patient-centered primary care delivery model with an emphasis on chronic disease management, patient engagement, health care equity, and issues related to healthcare in the rural communities. He has a strong interest in the management of pain. Over the past four years past he has worked on the Essentia Opioid steering committee accountable for establishing opioid prescribing guidelines. He also helped to author the Institute for Clinical Systems Improvement guidelines for pain management published last year. Additionally, he has a long-standing interest in the education of medical students and the role of the primary care physician as mentor to future family physicians and to the Duluth Family Practice Residency Program.

Dr. Bianco was raised in northeast Minnesota and attended the University of Minnesota, School of Medicine and completed a family practice residency in Duluth, MN. Dr. Bianco maintains a busy family practice in the small rural town of Ely, Minnesota.

Melvina D. Bissonette, M.D. (Lakota, Navajo) is a board-certified psychiatrist who works for the Mille Lacs Band of Ojibwe's Health and Human Services clinics. She obtained her B.S. from the University of New Mexico, and her M.D. from the University of Minnesota (Duluth/Twin Cities campus). She completed her psychiatric training through the University of Minnesota's Department of Psychiatry.

Jacob T. Brown, Pharm.D., M.S. joined the University of Minnesota College of Pharmacy Duluth campus as an Assistant Professor in 2014 after completing a PGY1 residency and a T32 funded fellowship in Pediatric Clinical Pharmacology. Dr. Brown's research areas focus on clinical and translational research within pediatric pharmacogenetics as well as the implementation of clinical pharmacogenetic testing. He is currently collaborating with the Essentia Institute of Rural Health and the Duluth Family Medicine Clinic.

Dana Carroll, Ph.D. joined the University of Minnesota Tobacco Research Programs in 2017 after completing her doctoral training in Epidemiology at the University of Oklahoma Health Sciences Center. Dana's primary project is a Phase III randomized, open label, multi-center study that seeks to understand the impact of very low nicotine content cigarettes. She also works on research projects that seek to understand mechanisms that contribute to the high rates of smoking-related cancers among the American Indian population. Her career goal is to direct an independent research group which contributes to the elimination of tobacco-related disease and death with a special emphasis on populations that bear the greatest burden of tobacco.

Katrina G. Claw, Ph.D. is a postdoctoral research fellow at the University of Washington in the Department of Pharmaceutics. Dr. Claw also works with the Northwest-Alaska Pharmacogenomics Research Network. She is a 2015 Ford Foundation Postdoctoral Fellow and was also awarded the Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship. She obtained her B.S. in biology and B.A. in anthropology at Arizona State University; her Ph.D. in genome sciences at the University of Washington in Seattle, WA in 2013, where she was also a National Science Foundation predoctoral fellow. Her research interests include human genetics and genomics, pharmacogenomics, health disparities, and the ethical and social implications of genomic research with Native Americans and other indigenous populations around the world. She is Diné (Navajo) and grew up on the Navajo Nation in Many Farms, Arizona.

Donald V. Gunderson, M.D., M.B.A. earned a B.A. from Concordia College in Morehead, MN, in 1970, and his M.D. from the University of Minnesota School of Medicine in 1974. He completed his internship at the Southwestern Michigan Area Health Education Center, an affiliate of Michigan State University. He also practiced medicine at the Cass Lake Indian Health Service from 1975 to 1977, then trained in internal medicine at the Mayo Clinic from 1977 to 1980. His career has included both private practice in Brainerd, MN, and with the Veterans Administration. From 1997 to 2003, he was the director of the Twin Ports VA Outpatient Clinic in Superior, Wisconsin, a satellite clinic of the MN Veterans Administration Medical Center. During that time he obtained a MBA degree from the U of M Duluth Campus. In March 2013, he became the Medical Director for the Mille Lacs Band of Ojibwe Ne la Shing Clinic.

J. Neil Henderson, Ph.D., is Executive Director of the Memory Keepers Medical Discovery Team, University of Minnesota Medical School, Duluth Campus. He is Oklahoma Choctaw. Dr. Henderson's research areas focus on aging issues of American Indian people. Specifically, his work is on dementia caregiving, biological and cultural influences regarding recognition and treatment of dementia and diabetes, cultural constructions of disease, and community health interventions and education in the context of cultural diversity. He has conducted bio-cultural research on Alzheimer's disease in American Indian tribes, developed Alzheimer's support groups in African-American and Spanish-speaking populations, and conducted geriatric health care education for American Indian providers across the United States. The themes of his research are the prevention of disease, reduction of health disparities, and the building of healthier lives among the youth, adults, and elders in culturally diverse populations.

Paula M. Termuhlen, M.D., is Professor of Surgery and Regional Dean of the University of Minnesota Medical School, Duluth Campus. Dr. Termuhlen is a graduate of St. Louis University School of Medicine and completed her general surgery training at the University of Texas Health Science Center in Houston. Dr. Termuhlen subsequently completed the Surgical Oncology fellowship at MD Anderson Cancer Center. After three years on the faculty at the University of Nebraska, she was recruited to Wright State University in Dayton, Ohio in 2001, where she remained until 2011 when she joined the faculty in the Department of Surgery at the Medical College of Wisconsin. While at the Medical College of Wisconsin, she led the development team for the creation of two new regional campuses in Green Bay and Central Wisconsin. In April 2015, she assumed the role of Regional Campus Dean for the University of Minnesota Medical School Duluth Campus, serving over 120 students and 40 faculty members in the mission of training physicians for rural and Native American communities.