Changing the way we think about food – the health of the next generation depends on it.
As another year draws to a close, I’ve been reflecting on the progress we’ve made in our brief existence. This year we have continued to build on our commitment to share the message of the importance of early life nutrition in preventing chronic disease risk. We’ve made great headway in curriculum development this year. We are very close to being able to share the innovative Nutrition In A Box curriculum with schools. This interactive, self-contained curriculum is designed for 10-14 year old students and aligns with the most current USDA Dietary Guidelines. We have also made progress on our online continuing education nutrition module for physicians. This will serve as a pilot project for OHSU and pave the way for additional maternal nutrition modules. We also joined forces with Familias en Accion to develop continuing education for Latina Community Health Workers. We just learned that our assistance with Familias helped them get a grant to begin work on the project. We recently made a decision to join forces with the OSU Moore Family Center to combine our annual nutrition conferences. The newly combined event will be called the Oregon
Nutrition Update and will be held on the OHSU campus May 18. The subsequent annual event will rotate between Corvallis and Portland. We think our combined efforts will allow us to reach an even broader audience with our message about the importance of nutrition as a foundation for healthy Oregon communities. Beyond Oregon, we have an exciting maternal health study in Alaska to see how a rapid change from traditional diets to a more “westernized” diet has affected chronic disease in multiple generations of women. And we have successfully attracted professor Bert Boyer, Ph.D., and his team from University of Alaska Fairbanks to join the Moore Institute team. We’re planning a conference and collaboration with Uzbekistan to include nutrition and developmental origins research into education and policy decisions in this former Soviet country. We also just found out we received funding to host a maternal nutrition conference. At present there is no consensus on what constitutes a healthy diet for pregnant women. The National Institutes of Health has shown interest in our conference so it can have national influence. Speaking of which, this year the New York Academy of Science published the findings of our previous meeting, the International Summit on the Nutrition of Adolescent Girls and Young Women. The document is now being read worldwide. In spite of our successes, we know that most people in the general population remain unaware of the important role nutrition plays in lifelong chronic disease risk. As I read media stories about big westernized food companies moving into developing nations, updated nutrition labels being delayed and budgets of social service programs being cut, I know that the work we do is more important than ever. That is why we are taking our program on the road. Our Nutrition Oregon Campaign will bring the Bob and Charlee Moore Institute for Nutrition and Wellness to communities across the state.

I want to thank the many dedicated volunteers, committee chairs and staff that support the work of the Moore Institute. Without them, none of this would be possible. I would also be remiss if I did not mention the generous gift from Bob and Charlee Moore, without their commitment and vision of a healthier Oregon for all, we wouldn’t be where we are today. I’m excited about what the future holds for our organization and the progress we will be able to make together.

Kent L. Thornburg, Ph.D.
M. Lowell Edwards Chair
Professor of Cardiovascular Medicine
Director, OHSU Bob and Charlee Moore Institute for Nutrition & Wellness
Director, Center for Developmental Health, OHSU Knight Cardiovascular Institute
About the Moore Institute

The OHSU Bob and Charlee Moore Institute for Nutrition & Wellness was created after an extraordinary act of generosity from Bob and Charlee Moore who pledged $25 million to form a partnership with OHSU to confront one of the biggest contributors to the rise of chronic disease: poor nutrition.

The Moore Institute’s central commitment is to reduce the prevalence of chronic diseases across the lifespan in current and future generations by promoting healthy, nutrient-rich diets based on wholesome foods during pregnancy and lactation, and in infancy and early childhood.

The scientific cornerstone of the Moore Institute is a discipline in which OHSU has been internationally recognized for decades: the Developmental Origins of Health and Disease, or DOHaD, which includes the vital relationships between maternal prenatal diet, fetal health and adult onset disease.

The Moore Institute is intended to exert a far-reaching and long-lasting impact on the health and well-being of people of all ages by addressing the complex clinical and social factors related to and arising from poor nutrition.

Mission Statement

At the OHSU Bob and Charlee Moore Institute for Nutrition & Wellness we believe that reducing the prevalence of chronic diseases throughout life starts by promoting healthy, nutrient-rich diets based on wholesome foods – before conception, during pregnancy and lactation, and in infancy and early childhood.

We support this in current and future generations by offering programs that:

- Educate through professional training and community outreach.
- Conduct research through human and community-oriented clinical, basic and translational science.
- Provide clinical care through the development of new preventive measures and treatments.
- Address public policy issues to promote improved nutritional health in the community.
Nutrition Oregon Campaign

The fall of 2016 saw the Moore Institute traveling the state to hear directly from Oregonians about the role of nutrition in their community’s health. This was part of the planning phase for the Nutrition Oregon Campaign, a proposed statewide nutrition education and outreach campaign geared toward community leaders to help them understand the importance of nutrition in improving community health.

Stops were held in Bend, Ontario, Klamath Falls, Medford and Newport. Each stop included a half-day listening session with community members. Ontario and Klamath Falls also had a listening tour put together by a local community advocate, including visits to organizations, programs and people working to improve nutrition in their community. Stops included WIC offices, community gardens, grocery stores, county government offices, schools and food banks.

All told, the Moore Institute heard from more than 170 individuals and organizations in the six communities. The information gathered reinforced the plan to target the initial campaign toward leaders, specifically among health care providers, community health workers, education officials and community, business and government leaders. It is essential to have a broad base of understanding and support among these groups for programs and policies using a DOHaD lens to move forward and gain support. Understanding how nutrition impacts school readiness and performance, health care risk factors and outcomes, as well as absenteeism and a productive workforce is crucial to improving the health and well-being of Oregonians.

The Ford Family Foundation supported the planning phase of the campaign, including the listening tours. The experiences and information gathered during this phase informed the draft plan of the Nutrition Oregon Campaign. The statewide tours helped build a base of support for a sustained campaign. Our plan is to build on this initial momentum to develop collaborations with local organizations interested in moving the campaign forward. The Moore Institute is continuing to deepen these collaborations as it searches for funding for the next phase of the campaign.
In the community

An essential part of the Moore Institute’s mission is to engage the community in our work. We do this through direct outreach to community groups, by participating in community events, and by hosting our own events.

Here is a list of highlights from our community outreach:

• **Oregon Nutrition Day 2017**
  This year the Moore Institute-hosted annual event focused on the successes and challenges of implementing nutrition programs in Oregon. We heard inspiring stories from schools, hunger relief organizations, community-based veggie prescription programs and many others.

• **Big Latch On**
  This was the Moore Institute’s first year participating in OHSU’s Big Latch On event promoting and supporting breastfeeding families. The event is part of World Breastfeeding Week in August. The OHSU event took place in conjunction with events across the globe, with women gathering to breastfeed, learn about breastfeeding and offering peer support.

• **Brain Awareness Teachers Workshop**
  The Moore Institute once again partnered with the OHSU Office of Science Opportunities and the OHSU Brain Institute to offer this day-long event for teachers. OHSU Moore Institute steering committee member, Lynne Messer, Ph.D., spoke to the audience about the effects of toxic stress on lifelong health and chronic disease risk.

• **Nutrition Consortium**
  Bend and Coos Bay were the communities chosen this year to host Nutrition Consortium forums. These day-long events are designed to bring together nutrition-focused groups and individuals in a community to share knowledge and resources, and find methods of collaboration.
Focus on education

A key part of the Moore Institute’s mission is to share the science of DOHaD. We do this through developing curriculum for individuals of all ages, working to incorporate the science into required educational standards and by inspiring the next generation to carry the message forward.

Nutrition In a Box

This lively, hands-on curriculum is designed for students in grades four through eight. The four interactive stations lead students through educational games and activities that support the current USDA Dietary Guidelines. The past year saw the curriculum tested in classrooms with the feedback incorporated into the final design. The completed curriculum should be available for use this academic year.

Inspiring the next generation of leaders

As part of our mission to provide education through professional training and outreach, we have a regular cycle of interns and volunteers working on projects. The past year has seen student participation from the OHSU dietetic internship program, the OHSU/PSU Masters of Public Health program and the National College of Naturopathic Medicine.

The Health of Gen Z

In coordination with Portland Community College, the Moore Institute presented “The Health of Gen Z: Do we have the will to nurture healthier futures for our kids?” This half-day seminar offered talks from Kent Thornburg, Ph.D., Joel Nigg, Ph.D., and Jonathan Purnell, M.D. on how supporting the current generation of young adults can lead to healthier future generations. The event was held at PCC Rock Creek and simulcast to its other campuses.

Epi DOHaD course

Members of the DOHaD Epidemiology Group developed a graduate-level epidemiology class focused on the Developmental Origins of Health and Disease. The class will be one of few offered on this subject in the country. The course is designed to expose more students to the DOHaD framework and the role of DOHaD processes in U.S. health trends. The first class will be offered during winter 2018 term through the OHSU-PSU School of Public Health.

OHSU-PSU School of Public Health ties

With the official creation of the OHSU-PSU partnered school, the Moore Institute has been working to strengthen ties with the new leadership. We already work with many of the faculty and plan to continue collaborative projects that enhance the work of both institutions. The newly launched school of public health website features an article about DOHaD research and an interview with Moore Institute director Kent Thornburg, Ph.D.
Focus on research

The strong base of research at OHSU into the biological and physiological origins of chronic disease helped launch the Moore Institute. Now, the Moore Institute is involved in carrying research from the bench into the community.

CAMPS

The Clatsop Astoria Maternal Partnership Study (CAMPS) received final IRB approval and is recruiting subjects from the Astoria area. The study will enroll pregnant women who will receive usual care, or twelve weeks of a dietary educational intervention in the form of peer-support classes where they will create and eat healthy meals together. The women and their children will be studied to determine whether diets were improved and if this impacted the health of the offspring.

The Moore Institute funded a PhotoVoice project in Astoria that helped inform the CAMPS study. That work, published in *Global Qualitative Nursing Research* as the “Environmental, Behavioral and Cultural Factors that Influence Healthy Eating in Rural Women of Childbearing Age: Findings From a PhotoVoice Study” asked a group of women to document what in their community served as barriers to eating a healthy diet. The women then came together to share their images, choose the most representative ones and create captions explaining the images. These were then displayed within the community.

CAMPS is being conducted in collaboration with Columbia Memorial Hospital in Astoria, Oregon. It is led by Jonathan Purnell, M.D., Moore Institute Associate Director for Clinical Research, and funded by the OHSU Knight Cardiovascular Institute.

Collaborative Alaskan native research study

Researchers from the Moore Institute and University of Alaska, Fairbanks continue to work on this collaborative project looking at the change in chronic disease risk among the Native Alaskan Yup’ik tribe.

The study is looking at how a move away from traditional subsistence diets to a more “westernized” diet as processed foods have become more readily available has affected the prevalence of chronic diseases among this isolated population. The interaction between genetic and environmental risk factors and protective factors will be studied by collecting biologic samples from multiple generations of women within the same family.

OHSU Moore Institute researchers have made multiple trips to Alaska to meet with their collaborators as well as share knowledge and skills. The study has finished enrolling subjects.
Moore Institute Director Kent Thornburg addresses invited guests on the scientific fundamentals of DOHaD.

Spreading the word

Moore Institute leaders are acknowledged experts in their field and are asked to speak at scientific conferences across the globe as well as community meetings closer to home.

2016-2017 selected events:

Barker Memorial Lecture – Placental Programming of Chronic Diseases, Cancer, and Lifespan
2016 Aspen/Snowmass Perinatal Biology Symposium
Snowmass, CO
Kent Thornburg, Ph.D.

The Extended Placenta: the Alpha and Omega Preeclampsia
Eurotox 2016
Oxford, England
Kent Thornburg, Ph.D.

Placental Mitochondrial Dysfunction in Pregnancies with Adverse Outcomes: Role of microRNAs
24th Meeting of Japan Placenta Association
Wakayama, Japan
Leslie Myatt, Ph.D.
The Key Drivers of Obesity, the Onset of Type 2 Diabetes, and Promising New Directions to Reduce Risk
46th Annual National Academy of Medicine Meeting
Washington, D.C.
Kent Thornburg, Ph.D.

Epigenetics and Fetal Programming: Influences on Newborn Developmental Trajectory to Inform Approaches to Clinical Practices
Zero to Three Annual Conference
New Orleans, LA
Kent Thornburg, Ph.D.

Effect of Obesity on Tophoblast Respiration, Mitochondrial Function and Placental Epigenetic Modifications
Society for Perinatal Pathologists
Honolulu, HI
Leslie Myatt, Ph.D.

Early Life Origins of Disease
National Bureau of Economics Research (NBER)
Cohort Studies Meetings
Los Angeles, CA
Kent Thornburg, Ph.D.

Does Sexual Dimorphism in Placental Function Relate to Adverse Outcomes in Females vs Males?
Royal College of Obstetricians & Gynaecologists (RCOG) World Congress 2017
Capetown South Africa
Leslie Myatt, Ph.D.

Developmental Programming: Implications for the Worldwide Rise in Obesity and Diabetes
The Health of Gen Z: Do We have the Will to Nurture Healthier Futures for Our Kids?
Portland, OR
Jonathan Purnell, M.D.

Early Life Origins of Environmentally-Induced Chronic Metabolic Diseases: Implications for Practice
OHSU 48th Annual Primary Care Workshop
Portland, OR
Susan Bagby, M.D.

Mitochondrial Dysfunction in Pregnancy Pathologies
23rd Annual Meeting of the International Federation of Placenta Associations (IFPA)
Manchester, U.K.
Leslie Myatt, Ph.D.

Zipcode or Genetic Code
Public Health Portland Style
Portland, OR
Lawrence Wallack, Dr.Ph., M.S., M.P.H.

The Transmission of Harmful Psychosocial Experiences Across Generations
Brain Awareness Season 2017 Teacher Workshop
Portland, OR
Lynne Messer, Ph.D., M.P.H.

Placenta and Cardiovascular Health
U.S. DOHaD President’s Distinguished Lecture
Detroit, MI
Kent Thornburg, Ph.D.

Obstetric Procedure use, Maternal Morbidity, and Racial Disparities: Leveraging Multiple Data Sources to Improve Maternal-child Health
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
Pregnancy and Perinatology Branch (PPB) Speakers Series
Bethesda, MD
Jonathan Snowden, Ph.D., R.D.
International collaborations

Studies across the globe have shown that inadequate fetal nutrition is associated with adult onset disease regardless of the country of origin. The Moore Institute has established collaborations with scientists around the world to better understand geographical disease patterns related to nutrition of adolescent girls and women. The past year has seen these collaborations continue to increase and strengthen.

**Lao-American Nutrition Institute (LANI)**

Together with Lao University Health Sciences, OHSU is providing technical support to operate this institute with a goal of improving nutrition among all Lao people. Moore Institute Associate Director for Nutrition, Diane Stadler, Ph.D., R.D., is leading efforts to build capacity and initiate new approaches to improve the state of nutrition in Lao. A first cohort of health professionals completed a program to train them as clinical dieticians, with a second cohort starting soon. OHSU dietetic students have completed rotations in Lao, and plans are in the works for a Lao student to come to OHSU for additional training next summer.

**International Summit follow-up**

After two years, the hard work put into crafting the consensus statement from the International Summit on the Nutrition of Adolescent Girls and Young Women has been published. The consensus statement appeared in the July issue of the *Annals of the New York Academy of Sciences*.

**Uzbekistan connection**

Following the International Summit on the Nutrition of Adolescent Girls and Young Women, Viola Artikova, M.D., M.S.P.H., wife of Moore Institute Director of Global Development Fred Gregory, noticed Russian speaking countries were noticeably absent. Artikova is from Uzbekistan. Seeing firsthand the health problems still left in this country from the dissolution of the Soviet Union, Artikova is working to create a connection between the Uzbekistani government and the Moore Institute. She and Gregory have been to Uzbekistan to meet with government officials and representatives from the organization For the Healthy Generation. They hope to determine how research around nutrition’s effects on the developmental origins of health and disease can be shared and incorporated into the nutritional and educational policies of the nation. Artikova has also translated David Barker’s book, *Nutrition in the Womb*, into Russian and is making plans to have it published.
Committee reports

Community Education and Outreach

**Chair:** Susan Bagby, M.D.

**Charge:** Work with Oregon community leaders and existing health-oriented programs to motivate and empower young children, adolescents, pregnant mothers, parents and their children to choose balanced whole-food nutrition for themselves, their families and their communities.

**Activities:**

- Completed classroom testing of Nutrition In A Box enrichment curriculum for students ages 10-14. Feedback from students and teachers informed updated graphic design to improve navigation, readability and language clarity.
- Presented the updated curriculum to teachers at the Oregon Science Teachers’ Conference.
- Created an outline and some content for “Better the Future: Building Human Resilience,” a preconception nutrition and health education program for collegiate students. In conjunction with George Fox University, existing courses in which the modules may be used were identified.
- Held inaugural DOHaD-based conference series at Portland Community College. This series is a revival of the earlier Nutrition in the Womb conference series. First series was well attended by PCC students and professors.

**Looking ahead:**

- Put together 20 complete Nutrition In A Box kits for distribution to Oregon schools that have expressed interest in the curriculum.
- Develop a training program and series of hands-on trainings designed to teach non-school-based youth leaders how to use the Nutrition In A Box curriculum. The first will be conducted with the Boy Scouts of America and recorded for future use.

Moore Institute staff Susan McGinn, Kim Rogers, Lisa Rhuman, Liana Haywood, M.P.H. and Bernadette Battilega wear red for women’s heart health.
DOHaD Epidemiology Group

Co-chairs: Janne Boone-Heinonen, Ph.D., M.P.H. and Lynne Messer, Ph.D., M.P.H.

Charge: Conduct public health research on strategies to prevent or mitigate adverse early life developmental processes and translate biological and clinical research findings into novel hypotheses for population health research as well as providing clinical biological researchers feedback as to the exposures and health outcomes that are most critical for human health and vulnerability.

Activities:

• Created the graduate-level Developmental Origins of Health and Disease Epidemiology class to be offered through the OHSU-PSU School of Public Health during the winter 2018 term.

• Created a webpage on the Moore Institute site with materials for outreach with prospective students and collaborators interested in DOHaD epidemiology research.

• Participated in OHSU Center for Developmental Health group meetings.

• Created linkages with the Moore Institute Public Health and Policy Committee.

Looking ahead:

• Complete a collaborative manuscript that describes the critical linkages between policy and environmental context and DOHaD processes, and their roles in health disparities.

• Add additional website materials for outreach with prospective students and collaborators interested in DOHaD epidemiology research.

• Initiate a DOHaD Epidemiology Research In Progress series.

Health Care Providers Education

Chair: Lisa Rhuman

Charge: Develop DOHaD curriculum materials to educate physicians and health care providers who care for pregnant women; develop supporting DOHaD patient handouts; and develop strategic action plan for educating OHSU physicians and
health care providers who care for pregnant women; develop supporting DOHaD patient handouts; and develop strategic action plan for educating OHSU physicians and health care providers.

**Activities:**

- Presented two interactive workshops at the Primary Care Review in February, 2017:
  - Environmentally-Induced Chronic Metabolic Diseases Begin in Early Life: Implications for Primary Care Practice, presented by Diane Stadler, R.D., Ph.D. and Susan Bagby, M.D.
  - Just Ask One Question - Preconception Health and Nutrition, presented by Christie Naze, R.D., C.D.E. and Richard Lowensohn, M.D.
- Reviewed and provided input on Nutrition Oregon Campaign sector specific messaging and calls to action for health care providers.
- Created an outline for an online DOHaD continuing education module. This module will serve as a pilot project for OHSU continuing online education and will pave the way for maternal nutrition education modules.
- Presented Grand Rounds titled New Science Answers Old Question: What Causes Chronic Disease? at the Bay Area Hospital in Coos Bay, OR, presented by Kent Thornburg, Ph.D.
- Gave a DOHaD presentation to registered dieticians at the Nutrition Council of Oregon, presented by Lisa Rhuman.

**Looking ahead:**

- Creating a three part DOHaD grand rounds series to share with providers within OHSU and across the state.
- Working with the OHSU School of Medicine Alliance to create a first foods brochure for providers to share with parents.

- In collaboration with OHSU Graduate Medical Education, create a pilot DOHaD continuing education module.

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**Latino Outreach**

**Chair:** Natasha Holstein

**Charge:** to develop a statewide network of organizations that serve the Latino community to actively teach and promote the role of nutrition during the first 1,000 days and its impact on chronic disease.

**Activities:**

- Collaborate with the OHSU Center for Diversity and Latinos Unidos Organization, OHSU’s employee resource group for Latinos and their allies, to write, design and print a brochure in both Spanish and English explaining the basics of good nutrition and the importance of a healthy diet for the Latino community.
- Created an information page for the Latino community on the Moore Institute website.
- Developed a collaboration with Familias en Acción to create DOHaD curriculum for community health workers. A fundraising plan has been implemented and several grants submitted.
- Created an online DOHaD continuing education module. This module will serve as a pilot project for OHSU continuing education and will pave the way for maternal nutrition education modules.
- Presented Grand Rounds titled New Science Answers Old Question: What Causes Chronic Disease? at the Bay Area Hospital in Coos Bay, OR, presented by Kent Thornburg, Ph.D.
- Gave a DOHaD presentation to registered dieticians at the Nutrition Council of Oregon, presented by Lisa Rhuman.

**Looking ahead:**

- Creating a three part DOHaD grand rounds series to share with providers within OHSU and across the state.
- Garner outside funding for projects.
- Create culturally appropriate DOHaD presentation in Spanish and English.
- Further develop website with materials in Spanish and English.
**Media and Marketing**

**Chair:** Liana Haywood, M.P.H.

**Charge:** Use innovative media and marketing tools to communicate about DOHaD research in ways that measurably increase awareness of the impact of nutrition on population health in target audiences.

**Activities:**

- Supported the planning phase of the Nutrition Oregon Campaign by leading small group discussions during the statewide listening tours to test broad and sector specific messages; created communications materials; and provided input on plan creation. Following planning phase, spread word of the planned campaign through presentations to OHSU communications and outreach groups and an article for Inside the SoM newsletter.

- Conducted an analysis of all communications tools created since the Moore Institute's inception, including applicability to specific audiences and use of graphics. Created a gap analysis of needed communications materials and prioritized creation based on need and ease of creation.

- Launched quarterly newsletter, The Moore Report, to highlight work of Moore Institute, along with promotion of recent DOHaD and nutrition research. The enewsletter is sent to all past Moore Institute event attendees, plus collaborators, committee members, volunteers and others who express interest.

**Looking ahead:**

- Using communications tool gap analysis, create DOHaD communications pieces with priority for Nutrition Oregon Campaign sector audiences.

- Complete an analysis and refresh of Moore Institute website and how it ties in with BettertheFuture.org.

**Nutrition Consortium**

**Chair:** Joanne Rogovoy

**Charge:** to bring nutrition-oriented groups together as partners of the Moore Institute in order to share knowledge and resources, to seek new collaborations and to use our collective voices to improve maternal and infant nutrition in the state of Oregon.

**Activities:**

- Utilized a planned Nutrition Consortium Forum in Bend to serve as a test for the Nutrition Oregon Campaign listening sessions. Participants provided feedback on small group questions, messaging and calls-to-action.

- Collaborated with the OHSU Campus for Rural Health – South Coast to plan and host a Nutrition Consortium Forum in Coos Bay. This marked the sixth forum since the Moore Institute’s inception.

**Looking ahead:**

- Develop pathways for connecting individuals across the state who have attended Nutrition Consortium Forums in order to develop collaborative projects and leverage existing efforts and opportunities to improve the health of young women, pregnant women and infants.

- Ensure the Nutrition Consortium works in conjunction with the planned Nutrition Oregon Campaign to leverage community resources in spreading the DOHaD message to Oregon leaders and stakeholders.
**Nutrition Education for Health Professional Students**

**Chair:** Diane Stadler, Ph.D., R.D.

**Charge:** Facilitate the integration of nutrition education, including the key concept of the effect of early nutrition on adult disease, for health professional students throughout the OHSU community.

**Activities:**
- Held first interprofessional “Introduction to Culinary Medicine” course to bring together students from multiple health professional programs to get hands on cooking skills and a better understanding of their patients’ unique needs.
- Received funding from OHSU School of Medicine Alliance to offer “Introduction to Culinary Medicine” course as an elective during enrichment weeks for OHSU School of Medicine students.
- The first cohort of health care professional students completed the clinical nutrition program through the Lao-American Nutrition Institute (LANI)
- Three students from the graduate program in human nutrition traveled to Lao to assist with teaching at LANI, and gain international clinical health education experience.

**Looking ahead:**
- Develop an OHSU community demonstration garden to align with efforts to address food insecurity across campus, specifically the Food Prescription-Food Pharmacy programs and Community Supported Agriculture (CSA) initiatives to enhance access to fruits and vegetables.
- Explore options to house a multi-station teaching/demonstration kitchen on the OHSU campus.

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**Public Health and Policy**

**Co-chairs:** Julia Goodman, Ph.D., M.P.H.

**Charge:** Support public decision-makers by ensuring the implications of the DOHaD science are available and accessible.

**Activities:**
- Held a round table in early summer where we talked about our 3 goals: (1) educating public about DOHaD; (2) supporting DOHaD-related policies; and (3) leading in the development of new policy ideas to address DOHaD in our communities.
- Began drafting a proposal to create a state-appointed DOHaD policy advisory committee or working group. We plan to share this with colleagues in the policy community over the coming months.

**Looking ahead:**
- Convene a committee meeting to discuss progress and next steps.
- Continue to work with Moore Institute leadership regarding ongoing information needed for Moore Institute topical priorities and how they could align with OHSU legislative priorities.
Committee membership

**Steering Committee**

**Susan Bagby, M.D.**
Professor of Medicine, Department of Nephrology and Hypertension, OHSU

**Irene Barhyte, C.P.A., C.T.P**
Senior Associate Dean for Finance and Administration, OHSU School of Medicine

**Janne Boone-Heinonen, M.P.H., Ph.D.**
Assistant Professor, OHSU-PSU School of Public Health

**Aaron Caughey, M.D., Ph.D.**
Professor and Chair, OHSU Department of Obstetrics and Gynecology; Director, OHSU Center for Women’s Health

**David Ellison, M.D.**
Professor of Medicine, OHSU; Director of the Oregon Clinical and Translational Research Institute

**Julia Goodman, M.P.H., Ph.D.**
Assistant Professor, OHSU-PSU School of Public Health

**Erin Hoover Barnett**
Director, OHSU School of Medicine Communications

**Lynne Messer, Ph.D., M.P.H.**
Assistant Professor, OHSU-PSU School of Public Health

**Leslie Myatt, Ph.D., F.R.C.O.G.**
Professor of Obstetrics and Gynecology, OHSU; Associate Director for Women’s Health, Moore Institute
Jonathan Purnell, M.D.
Professor, OHSU Department of Medicine; Associate Director for Clinical Research, Moore Institute

David Robinson, Ph.D.
Professor, Department of Physiology and Pharmacology; Department of Ophthalmology; Oregon Institute of Occupational Health Sciences; Executive Vice Provost, OHSU

Robert Schelonka, M.D.
Professor, Department of Pediatrics, OHSU School of Medicine

Lori Sobelson
Director of Corporate Outreach, Bob’s Red Mill Natural Foods, Inc.

Diane Stadler, Ph.D., R.D.
Associate Professor of Medicine; Director, OHSU Graduate Programs in Human Nutrition; Director, OHSU Dietetic Internship Program; Associate Director for Nutrition, Moore Institute

Kent Thornburg, Ph.D.
Professor of Cardiovascular Medicine, OHSU; Director, Moore Institute

Anne Goetze, R.D., L.D.
Senior Director, Nutrition Affairs, Oregon Dairy and Nutrition Council

Jessica Gutgsell, M.S., R.D.N.
Outreach Dietician, Oregon Clinical & Translational Research Institute

Liana Haywood, M.P.H.
Senior Communications Specialist, Moore Institute

Steven Hiatt
Director, OHSU Food and Nutrition Service

Lisa Marriott, Ph.D.
Assistant Professor, OHSU-PSU School of Public Health; Associate Professor, Let’s Get Healthy!

Lisa Rhuman
Operations Director, Moore Institute

Joanne Rogovoy
Program Director, Greater Oregon & SW Washington Chapter, March of Dimes

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Research Associate, Health Promotion and Sports Medicine, OHSU

Erik Schoenberg, M.D.
Assistant Professor, Department of Otolaryngology. Head and Neck Surgery, OHSU School of Medicine

Tracy Severson, R.D., L.D.
Dietician, OHSU Knight Cardiovascular Institute

Jackilen Shannon, Ph.D.
Associate Professor, OHSU-PSU School of Public Health; Director, Integrated Program in Community Research

Community Education and Outreach

Elizabeth Adams, Ph.D., R.D.
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Susan P. Bagby, M.D. (Chair)
Professor of Medicine, Department of Nephrology and Hypertension, OHSU

Connie Evers, M.S., R.D.N., C.S.S.D., L.D.
Clinical and Consultant Dietitian, Pediatric Associates of the Northwest
Susan Shugerman, M.F.A.
Assistant Vice Provost, Education Outreach and Collaboration, OHSU

Lori Sobelson
Director of Corporate Outreach, Bob’s Red Mill Natural Foods, Inc.

Doria Thiele, C.N.M., I.B.C.L.C., Ph.D.
Assistant Professor, OHSU School of Nursing

Kent Thornburg, Ph.D.
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DOHaD Epidemiology Group

Susan Bagby, M.D.
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Julia Goodman, M.P.H., Ph.D.
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Curtis Harrod, M.P.H., Ph.D.
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Betty Izumi, M.P.H., Ph.D., R.D.
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Lisa Marriott, Ph.D.
Assistant Professor, OHSU-PSU School of Public Health; Associate Director, Let’s Get Healthy!

Nicole Marshall, M.D.
Assistant Professor, Obstetrics and Gynecology, OHSU

Lynne Messer, Ph.D., M.P.H. (Co-Chair)
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Jonathan Purnell, M.D.
Professor, OHSU Department of Medicine; Associate Director for Clinical Research, Moore Institute

Dawn Richardson, Ph.D., R.D.
Assistant Professor, OHSU-PSU School of Public Health

Jackilen Shannon, Ph.D.
Associate Professor, OHSU-PSU School of Public Health; Director, Integrated Program in Community Research

Jonathan Snowden, Ph.D., R.D.
Assistant Professor, Obstetrics and Gynecology, OHSU

Wesley Stoller, M.A.
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Latino Outreach
Gail Brownmiller
Executive Director, Familias en Accion

Lisa Cline
Executive Director, Wallace Medical Concern

Gabriel Flores
Provider Relations Manager, OHSU

Leslie Garcia, M.P.A.
Assistant Chief Diversity Officer, OHSU

Liana Haywood, M.P.H.
Senior Communications Specialist, Moore Institute

Natasha Holstein (Chair)
CEO, AVISA Multicultural Marketing

Beth Poteet
Capacitation Team Coordinator, Community Capacitation Center, Multnomah County Health Department

Liana Rhuman
Operations Director, Moore Institute

Kaley Summers
Forest Grove Farmers Market Manager, lis Adelante Mujeres

Kent Thornburg, Ph.D.
Director, Moore Institute

Media and Marketing
Bob Applegate
Associate Director, Community Engagement, OHSU

Erin Hoover Barnett
Director, OHSU School of Medicine Communications

Kathleen Gardiner
Marketing Manager, OHSU Marketing and Communications

Tamara Hargens-Bradley
Associate Director of Media Relations, OHSU Strategic Communications

Liana Haywood, M.P.H. (Chair)
Senior Communications Specialist, Moore Institute

Kate Natoli
Senior Communications Specialist, OHSU Knight Cardiovascular Institute

Kathryn Peck
Social Media Program Manager, OHSU Strategic Communications

Lisa Rhuman
Operations Manager, Moore Institute

Rachel Shafer
Senior Communications Specialist, OHSU School of Medicine Communications

Eric Switzer, M.A.
Associate Vice-President, Brand Strategy and Marketing, OHSU

Kent Thornburg, Ph.D.
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Jennette Zarko
Social Media Coordinator, OHSU Strategic Communications
Nutrition Consortium

Susan Bagby, M.D.
Professor of Medicine, Department of Nephrology and Hypertension, OHSU

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Richard Lowensohn, M.D.
Adjunct Associate Professor, OHSU Center for Women’s Health

Joanne Rogovoy (Chair)
Program Director, Greater Oregon & SW Washington Chapter, March of Dimes

Lisa Rhuman
Operations Manager, Moore Institute

Lori Sobelson
Director of Corporate Outreach, Bob’s Red Mill Natural Foods, Inc.

Kent Thornburg, Ph.D.
Director, Moore Institute

Nutrition Education for Health Professional Students

Janne Boone-Heinonen, Ph.D., M.P.H.
Assistant Professor, OHSU-PSU School of Public Health

Sonja Connor, M.S., R.D.
Research Associate Professor, OHSU

Melanie Gillingham, Ph.D., R.D.
Assistant Professor, Medical and Molecular Genetics, OHSU; Director, Masters of Science in Clinical Nutrition program

Kirsten J. Lampi, M.S., Ph.D.
Professor, Division of Integrative Biosciences, OHSU School of Dentistry

George Mejicano, M.D., M.S.
Senior Associate Dean for Education, OHSU School of Medicine

Christie Naze, R.D., L.D., C.D.E.
Clinical Dietitian, OHSU Center for Women’s Health

Jonathan Purnell, M.D.
Professor, OHSU Department of Medicine; Associate Director for Clinical Research, Moore Institute

David Robinson, Ph.D.
Professor, Department of Physiology and Pharmacology; Department of Ophthalmology; Oregon Institute of Occupational Health Sciences; Executive Vice Provost, OHSU

Diane Stadler, Ph.D., R.D. (Chair)
Associate Professor of Medicine, OHSU; Director, OHSU Graduate Programs in Human Nutrition; Director, OHSU Dietetic Internship Program; Associate Director for Nutrition, Moore Institute
Nutrition Education for Health Care Providers

Brian Frank, M.D.
Assistant Professor, Family Medicine, OHSU

Sally Hersh, C.N.M., D.N.P.
Instructor, OHSU School of Medicine

Adam Hoverman, D.O., D.T.M.H.
Preventive Medicine resident physician, OHSU

Sheldon Levy, Ph.D., M.P.H.
Affiliate Associate Professor, Family Medicine, OHSU

Richard Lowensohn, M.D.
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Anisha Thomas, M.B.B.S.
Human Investigations Program student

Kent Thornburg, Ph.D.
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Public Health and Policy

Aaron Caughey, M.D., Ph.D.
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Ryan Fisher
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Julia Goodman, M.P.H., Ph.D. (Chair)
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Jessica Guernsey, M.P.H.
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Dana Hargunani, M.D., M.P.H.
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Kimberly Porter
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Financial overview

Moore Institute Expenses – FY17

- 4% International collaboration
- 46% Payroll
- 18% Administrative costs
- 32% Outreach
Organizational structure
Uzbekistan conference

The Moore Institute is in the initial stages of planning a conference in Uzbekistan. The conference will bring a handful of international DOHaD scientists to the country to discuss the latest science on how nutrition before birth and during the first years of life determines lifelong chronic disease risk. The hope is to bring together policy and education decision makers to help them understand the important role nutrition plays in population health.

Community health worker curriculum

Developing curriculum for community health workers has been a priority for the Moore Institute, but finding the right partners and funders has taken time. The Moore Institute is collaborating with Familias en Acción, a local non-profit that strives to promote empowerment and
holistic family well-being for Latinos. Familias is developing grant applications for the project with the Moore Institute serving as a consultant for scientific input.

**Nutrition and pregnancy conference**

Based on feedback received during the International Summit on the Nutrition of Adolescent Girls and Young Women, information gathered in planning the Lao American Nutrition Institute (LANI) and meetings with international aid organizations, the Moore Institute has recognized a need for additional research into the effects of nutrition during pregnancy. The Moore Institute received funding from the Vitamix Foundation to develop a small conference on the topic. The hope is to bring together international experts to share what is currently known and to develop new research collaborations.

**Nutrition Oregon Campaign hub development**

As part of the Nutrition Oregon Campaign, the Moore Institute is working to develop relationships with organizations and individuals in areas around the state that might be interested in developing a Moore Institute hub in their area.

**FDA visit to Portland**

The Moore Institute is participating in a high school science event that will bring a member of the FDA cardiovascular/endocrine section to Portland. We are planning to include an OHSU visit to introduce our scientists and their research.