

# LEANN ANDREWS

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## EDUCATION

- 2013-2018      PhD in the Built Environment  
University of Washington, Seattle WA  
**Dissertation:** *Integrating human health, ecology and built environment design: A TDAR Gardens Intervention case study with an informal slum community in the Peruvian Amazon*
- 2011-2013      Master of Landscape Architecture, Certificate in Global Health  
University of Washington, Seattle WA  
**MLA Thesis:** *Designing for Health: Strategies to Create Healthy People, Landscapes + Ecosystems*  
**GH Capstone:** *Home Gardening in Lomas de Zapallal: A Toolkit to Improve Residents' Health*
- 2003-2007      Bachelor of Landscape Architecture, Minor in Dance  
The Ohio State University, Columbus OH

## ACADEMIC POSITIONS

- 2018-present    **Affiliate Assistant Professor, Department of Landscape Architecture, University of Washington**
- 2017-present    **Project Manager, InterACTION Labs-Iquitos, Iquitos Peru**  
*-Organizing a design-build-research project with 20+ faculty and 15+ students in Peru and the US to design and implement a landscape intervention and measure microbiome, health and environmental changes as indicators of human and environmental health in a floating urban slum*  
**Funders:** UW Population Health Initiative; 100,000 Strong in the Americas Innovation Fund; Center for Technological, Biomedical and Environmental Research in Peru; UW Departments of Global Health, Nursing, Civil and Environmental Engineering, Neurology, Landscape Architecture, Dentistry, Environmental and Occupational Health
- 2011-present    **Design and Research Staff, Green Futures Research and Design Lab, University of Washington**  
*-Lab and Grants Manager (2011-2013); managed 27 employees, 9 projects, wrote 11 successful grants totaling over \$845,000; Designer, Researcher and Project Manager (2011-present)*

### PROJECTS

- Project Manager, Floating Wetlands Demonstration Projects, Seattle WA (2013, 2017-present)**  
*-Managed team of 8 and 5 for a series of design-build-research projects investigating the efficacy of floating wetlands in the Duwamish River, Lake Union, and Redmond Wetlands and their impact on water temperature reduction, water quality and fish habitat*  
**Funders:** King County Waterworks; King County Dept. of Transportation; Waterfront Construction
- Project Investigator, UW Green Wall Research, Seattle WA (2014-2016)**  
*-Managed 4 paid staff, 38 volunteer researchers; designed and managed research on impacts the green wall has on water recycling, water use, bird and insect use, temperature*  
**Funder:** UW Green Seed Fund
- Project Manager and Landscape Architect, UW Biodiversity Green Wall, Seattle WA (2011-2015)**  
*-Managed design and construction of green wall, green screen and water harvesting system at Gould Hall*  
**Funders:** UW Campus Sustainability Fund; Private Donor
- 2011-2017      **Design and Research Staff, Informal Urban Communities Initiative, University of Washington**  
*-Co-Project Manager for Peru division (2015-2017), Design Team (2011-2014)*

### PROJECTS

- Principal Investigator, Garden Technologies and Health Project, Iquitos, Peru (2016-2017)**  
*-Organizing a design-build-research project with 40+ Peruvian and US researchers, faculty, students and trainees to design and implement a landscape intervention and measure changes in human and ecological health indicators in an informal community*

**Funders:** NIH Fogarty Global Health Program; Landscape Architecture Foundation; Center for Technological, Biomedical, and Environmental Research in Peru

**Designer and Researcher, Fog Water Farm Park and Gardens, Lima, Peru (2013-2017)**

*-Designed an integrated fog collection, productive gardens and recreational park in an informal community; Led a Project Impact Assessment and environmental documentation*

**Funders:** Robert Rauschenberg Foundation; Architects Without Borders-Seattle; Landscape Architecture Foundation; UW Royalty Research Fund

2017

**Co-Organizer, US-Peru Interdisciplinary Exchange Program, Iquitos and Lima, Peru**

*-Co-Organized interdisciplinary exchange program (10+ disciplines) for 70+ professors, students and researchers from 6 institutions to stimulate future US-Peru research collaborations*

**Funder:** UW Global Innovation Fund

2014-2015

**Graduate Student Researcher, University of Washington, Seattle WA**

*-Developed human wellbeing indicator framework in waterfront revitalization planning*

**Funder:** Korea Maritime Institute

## TEACHING POSITIONS

2013-present

**Lecturer, Department of Landscape Architecture, University of Washington, Seattle WA**

WIN 2018- LARC 302 Urban Design Studio (6 cr) with Jeff Hou

*Combined MLA/BLA Design Studio, Cityscapes as Urban Commons*

SPR 2016- LARC 303 Ecological Systems Studio (6 cr) with Elizabeth Umbanhowar

*Combined MLA/BLA design studio, Urban Ecological Explorations on the Duwamish Watershed*

WIN 2016- LARC 502/598 Design Activism for Env. Health in the Urbanizing Amazon Peru (6/3 cr)

*Experimental interdisciplinary (Larch, Arch, Health and Env Sciences) graduate studio-seminar*

AUT 2015- LARC 212 Designing the Future (5 cr) with Iain Robertson

*Introductory design seminar for freshman/sophomores of diverse majors*

WIN 2015- LARC 433 Construction Implementation (3 cr)

*Combined MLA/BLA technical course on applications of AutoCAD to construction documents*

AUT 2014- LARC 501 Public Spaces Public Life Studio (6 cr) with Nancy Rottle and Jim Nicholls

*Interdisciplinary MLA/MUP/MA/ENG, Blue Urbanism: Urban Play on Seattle's N. Waterfront*

SPR 2013- LARC 498 Floating Wetlands Seminar (3 cr) with Nancy Rottle

*Interdisciplinary (LA/UP/CEP/Env/Fish/Chem) grad + undergrad research/design/build seminar*

WIN 2013- LARC 302 Urban Design Studio (6 cr) with Luanne Smith and Elizabeth Umbanhowar

*Combined MLA/BLA design studio, Urban Sites/Insights: Rethinking Railways, Roads + Refuge*

2013-2015

**Graduate Student Assistant, Department of Landscape Architecture, University of Washington**

SPR 2015- LARC 432 Soils and Hydrology (3 cr) with Nancy Rottle

*Combined MLA/BLA technical course on designing green stormwater infrastructure and soils*

PRETERM 2014- Pre-Orientation (3 cr) with Julie Parrett

*Introduction for incoming MLA/BLA students, hand and computer graphics*

SPR 2013- LARC 331 Grading and Drainage (3 cr) with Luanne Smith

*Combined MLA/BLA technical class, grading and designing with topography and water*

2013

**Instructor, Green Wave International Urban Design Summer Workshop, Taipei, Taiwan**

Hosts: Chinese Culture University, City of Taipei

*Combined MLA/MUP/Forestry/Horticulture students from 6 countries*

*Creative Public Design: Environmental Whimsy in Urban Ecological Demonstration Projects*

## PROFESSIONAL PRACTICE POSITIONS

- 2007-present **Independent Designer and Artist**  
*private and public landscape design, community collaborations, visual and performance art*
- 2007-2011 **Landscape Architect / Urban Planner, URS Corporation, Cleveland Ohio**  
*ecological restoration + urban green infrastructure at interdisciplinary engineering firm*
- 2006 **Landscape Architecture Intern, The Collaborative, Inc., Toledo Ohio**  
*campus, public and commercial design at interdisciplinary architecture/urban design firm*
- 2005 **Landscape Architecture Intern, Greenscapes Landscape Co., Columbus Ohio**  
*commercial and residential design at design/build firm*
- 2004 **Landscape Designer Intern, Landscapes and More, Inc., Aliquippa Pennsylvania**  
*residential design, construction and maintenance at design/build firm*

## PROFESSIONAL REGISTRATION + CERTIFICATIONS

- 2012 Social, Economic, and Environmental Design (SEED) Certified  
2011 Registered Landscape Architect, State of Washington

## SELECTED SERVICE + ACTIVITIES

- 2018-present Selected as a member of the International Federation of Landscape Architects (IFLA) Advisory Circle to the executive committee  
*Identify and investigate key issues for the landscape architecture profession globally*
- 2018-present National Morris K. Udall Scholar Mentor (environmental undergrad scholarship program)
- 2017-present Landscape Architecture Foundation (LAF) Emeritus Board  
*Active leader in the Olmsted Scholar Committee*  
*Co-organizing the 10 Year Celebration for Olmsted Scholars*
- 2018 Floating Wetland Willow Rafts Design Charrette and Advisory Committee, King County Wastewater Treatment Division
- 2015-2017 Landscape Architecture Foundation (LAF) Board of Directors, nominated 2 year position  
*Active leader in the Diversity, Leadership + Olmsted Scholar Committees*  
*Co-organized the 50 year resigning of the Declaration of Concern to refocus the LA profession*  
*Contributing author of the New Landscape Declaration and supplemental Action Plan: the Olmsted Scholar Agenda: From Declaration to Action*  
*Juror on the 1st annual LAF Fellowship Review Committee*
- 2017 US General Services Administration Human Health + Well-Being Working Group
- 2016-present Consejo Nacional de Ciencia, Tecnología e Innovación Tecnológica (CONCYTEC) de Peru, member
- 2011-present Architects Without Borders, Seattle Chapter
- 2004-present American Society of Landscape Architects, Environmental Justice PPN
- 2012-2016 Environmental Design and Research Association
- 2013-2016 Healing Garden Designer/Builder at Transitional Resources, Seattle (mental health housing)
- 2014-2016 Health and Open Spaces Committee, Central Puget Sound Regional Open Space Strategy
- 2014 Landscape Architecture Foundation Olmsted Scholar Review Committee
- 2013 VA Puget Sound Fisher House Design/Build Garden Advisory Committee
- 2012 University of Washington Campus Landscape Advisory Committee

## SELECTED PROJECT AWARDS AND HONORS

- 2017 "Best Paper of the Year" award in Journal of Living Architecture, for "Deploying Living Walls as Kinetic Facades" *Journal of Living Architecture*. 4(2): 17-31. 2017 with Nancy Rottle.
- 2016 National American Society of Landscape Architects (ASLA) Professional Honor Award in Analysis and Planning, "Central Puget Sound Regional Open Space Strategy", with the Green Futures Lab team
- 2015 Ohio Chapter American Society of Landscape Architects (OCASLA) Honor Award in Constructed Design, "Eaton Corporate Campus", with AECOM (formerly URS) and Design Workshop collaborative team
- 2015 OCASLA Merit Award in Constructed Design, "Orchard Hills Park," with AECOM (formerly URS) team
- 2015 OCASLA Merit Award in Planning/Analysis, "Mayfield Village Greenway Trail," with AECOM (formerly URS) collaborative team

- 2014 National American Society of Landscape Architects (ASLA) Honor Award in Community Service, "Gardens, Greenspace and Health in Lomas de Zapallal", with the IUCI team
- 2014 Global Public Interest Design Award of Excellence, "Comunidad Ecologica Saludable", with the IUCI team
- 2014 SEED International Design Award of Excellence, "Comunidad Ecologica Saludable", with the IUCI team
- 2014 Global Healthies Award, Finalist, "Home Gardening in Lomas de Zapallal: An Illustrative How-To Manual"
- 2013 UW Husky Green Award, "Biodiversity Green Wall, Edible Green Screen and Water Harvesting Demonstration Project," with the GFL team
- 2013 Washington ASLA Honor Award, "Eco-District Waterfront Park", with Tako Hsu, Jordan Lewis, & Malda Takieddine
- 2013 Washington ASLA Honor Award, "Designing for Health: Strategies to Create Healthy People, Landscapes + Ecosystems"
- 2012 Environmental Design and Research Association (EDRA) Great Places Award, "Escuela Ecologica Saludable", with the IUCI team
- 2012 4<sup>th</sup> Place, People's Choice Award, Structures for Inclusion 12 Conference, Austin TX, "Escuela Ecologica Saludable: Parque Primaria Pitagoras", with the IUCI team
- 2012 National ASLA Student Honor Award in Community Service, "Escuela Ecologica Saludable", with the IUCI
- 2012 SEED International Design Honor Award, "Escuela Ecologica Saludable", with the IUCI team
- 2012 National ASLA Student Honor Award in Communications, "BioTrash: The Video Game, App and Interactive Website"
- 2012 AIA What Makes It Green Award, honorable mention, "Biodiversity Green Wall, Edible Green Screen and Water Harvesting Demonstration Project," with the GFL team
- 2012 Environmental Innovation Challenge Finalist, "Vegetative Wall System Prototypes", with D. Tomlinson
- 2012 Washington ASLA Merit Award, "Vegetative Wall System Prototypes", with D. Tomlinson
- 2009 Sustainable Dance Ecology International Design Competition, top entry, "Sustaining Dance Farm."
- 2008 Cleveland International Design Competition, Honorable Mention, interPLAY, "Absorbing Cleveland."

## **SELECTED PERSONAL AWARDS AND HONORS**

- 2016-17 Fogarty International Global Health Scholar, 1 year global health research program sponsored by the National Institutes of Health (NIH)  
Research Project: "Impact of Garden Technologies on Human and Environmental Health in Floating Slum Communities in the Amazon Rainforest", Iquitos, Peru
- 2015 Thomas Francis Jr Global Health Fellowship, Research Project: "Healthy and Ecological Urban Development in the Amazon Rainforest, Iquitos, Peru"
- 2013 Landscape Architecture Foundation (LAF) National Olmsted Scholar
- 2012 National American Society of Landscape Architects (ASLA) Merit Award for body of graduate work
- 2011 Elisabeth Carey Miller Scholarship, Northwest Horticultural Society, Research project: "The Potential for Worms to Transform a Slum Community in Lima, Peru."
- 2011 360 Fund Fellowship, Department of Landscape Architecture, College of Built Environments
- 2007 National ASLA Student Honor Award for body of undergraduate work
- 2006 Morris K. Udall National Environmental Scholar

## **SELECTED PRESENTATIONS, WORKSHOPS + EXHIBITIONS**

- Oct 2018 American Society of Landscape Architects Annual Conference, Philadelphia PA  
*Landscape Architecture in Global Health: Case Studies with Informal 'Slum' Communities*, with Jorge Alarcón, Brian Gerich, Ben Spencer & Joe Zunt
- Sept 2018 Seattle Design Festival, Seattle WA  
*Building Trust With Diverse Project Communities*, invited panelist
- June 2018 Sustainability in Prisons Project, Washington Corrections Center for Women, Gig Harbor, WA

*Green Infrastructure Technologies for Human and Ecological Health: Living Walls, Floating Wetlands and Green Walls* with Andrea Gousen

- May 2018 Morris K. Udall Scholar, Alumni Association Webinar  
*What to Do With a PhD*, invited panelist
- April 2018 BE Symposium; Giving Voice, Being Seen: Community Agency and Design Action in a Time of Climate Change, Seattle WA  
*Design Activism and Global Health: How a landscape intervention increases resilience for an indigenous migrant population in the Amazon*
- February 2018 University of Washington Landscape Architecture Department Tea Talk Series  
*The Future of LA: LAF New Landscape Declaration and Charrette*, invited lecture/charrette
- Sept 2017 CitiesALIVE, 15<sup>th</sup> Annual Green Roof & Wall Conference, Seattle WA  
*Designing and Measuring Benefit of Movable Living Walls*, with Nancy Rottle, blind peer review
- June 2017 Partnership for Discovery in Global Health: 25 years of Peru-NIH Collaboration, Lima, Peru  
National Institute of Health, Symposium; *A New Paradigm of Landscape Architecture and Global Health: A Case Study in an Informal Floating Community in Iquitos Peru*, with Jorge A. Alarcón, invited oral and poster presentations.
- June 2017 Colegio de Arquitectos del Peru Regional Loreto 55<sup>th</sup> Anniversary Conference, Iquitos Peru  
*Arquitectura Paisajista para la Renovación Urbana: Experiencias en Perú*, w/ Jorge Alarcón
- March 2017 National Water Week. Departamento de Extensión de Educación Ambiental, UNAP. Iquitos.  
*Nuevos Tecnologías Para Jardines*, w/ Jorge A. Alarcón, Victoria Arevalo, invited poster
- Nov 2016 City Now City Future Exhibition, Lima, Peru, with the Museum of London  
*The Informal Urban Communities Initiative*, with AWB-Seattle and IUCI team, invited poster
- Oct 2016 Expo Agua Perú, Lima Peru  
*Agua Gratis – Area Verdes Comunidades Saludables*, with AWB-Seattle and IUCI team
- Oct 2016 Expo Agua Perú, Lima Peru  
*Nuevos Tecnologías Para Jardines*, with Jorge A. Alarcón, invited poster presentation
- May 2016 Environmental Design and Research Association Annual Conference, Raleigh NC  
*Relationships Between Landscape Architecture + Mosquito-Borne Diseases*, with Jorge A. Alarcón
- Apr 2016 Western Regional International Health Conference, Seattle WA  
*Changing Ecosystems: If a Tree Falls in the Woods, Is Your Health Impacted?*, invited speaker
- Mar 2016 Washington American Society of Landscape Architects Annual Conference, Lynnwood WA  
*Pollinators in Landscape Architecture Today*, with Tim Slazinik, Sarah Bergmann and Leslie Batten
- Jan 2016 On Sustainability International Conference, Portland OR  
*Measuring Biodiversity on an Urban Living Wall System* with Nancy Rottle, blind-peer review
- Mar 2015 Architects Without Borders Spring Benefit Dinner, Seattle WA  
*Una Noche Peruana*, invited keynote speaker with Jorge A. Alarcón
- Feb 2015 WilDLife / Women Design Leaders Meeting, Seattle WA  
*Women in Design Service*, invited guest speaker
- Dec 2014 *Blue Urbanism: Inviting Urban Play on Seattle's North Waterfront*. Waterfront Space, Seattle WA  
Exhibit of student work from Larch 501 Studio, instructor.
- Nov 2014 *Tiny Mighty Landscapes: a National Exhibit highlighting Olmsted Scholars*. American Society of Landscape Architects Annual Meeting, Denver CO, coordinator/curator.
- Nov 2014 American Society of Landscape Architects Annual Conference, Denver CO  
*Gardens, Greenspace + Health in Lima Peru*, Presentation for ASLA Student Honor Award, invited
- Aug 2014 Seattle Design Festival, Seattle WA  
*Design for Social Mobility: an Architects Without Borders Case Study*, invited
- Apr 2014 BE+ Connected: A Symposium on Integration in the Built Environment, UW, Seattle WA

	<i>Resilience</i> , session moderator
Apr 2014	Child Family Health International, Webinar New Resource for Developing and Expanding Global Health Programming, invited panelist
Mar 2014	Council of Educators in Landscape Architecture, Baltimore MD <i>New Green Layers: Three Design-Build-Research Cases</i> with Nancy Rottle, blind-peer review
Jan 2014	University of Washington Grounds and Safety Monthly Meeting <i>Learning from Green Roofs and Green Walls</i> with Ken Yocom, invited
Dec 2013	EdSpaces Annual Conference, San Antonio, TX <i>Using Green Spaces as a Learning Tool</i> , invited
May 2013	Environmental Design and Research Association Annual Conference, Providence RI <i>Just What the Doctor Ordered: Strategies to Create Healthier Design</i> , blind-peer review
July 2013	International Urban Planning and Design Summer Workshop, Taipei, Taiwan <i>Green Wave- the Way to a Green Capital</i> , invited as Co-Instructor, Lecturer, Panelist
Nov 2012	Future Energy Conference, Seattle WA <i>AIA What Makes It Green Award: Biodiversity Green Wall</i>
Oct 2012	OUT/in/Front: Landscape Leading Gallery Exhibit, Seattle WA <i>Biodiversity Green Wall, Edible Green Screen + Water Harvesting Demonstration Project</i>
Sept 2012	International Exhibition at the European Biennial of Landscape Architecture, Barcelona Spain <i>Maury Island Gravel Mine Park: Reclamation, Restoration, Rehabilitation</i> , invited, with 9 students
May 2012	Environmental Research and Design Association Annual Conference, Seattle WA <i>Biodiversity Green Wall, Edible Green Screen + Water Harvesting Demonstration Project</i> , blind peer-review, Poster Session with David Tomlinson
May 2012	Environmental Research and Design Association Annual Conference, Seattle WA <i>Biotrash: The Video Game, App and Interactive Website</i> , blind-peer review, Poster Session
Apr 2012	The Intersection of Landscape Architecture and Ecological Restoration Annual Event, Seattle WA Roundtable discussion leader, <i>The Role of Technology in Design + Ecological Restoration</i> , invited
Mar 2012	Structures for Inclusion Annual Conference, Austin TX <i>Escuela Ecologica Saludable: The Health School Initiative for an Informal Settlement in Lima Peru</i> Presentation for SEED International Design Honor Award, with Dan Shaw + Jorge Alarcon, invited
Nov 2011	Northwest Horticultural Society Annual Meeting, Seattle, WA <i>Building Ground in Lomas de Zapallal</i>

## PUBLICATIONS AND PAPERS

1. Korn, Abigail, Susan Bolton, Benjamin Spencer, Jorge A. Alarcón, **Leann Andrews** and Joachim Voss. "Physical and Mental Health Impacts of Household Gardens in an Urban Slum in Lima, Peru" *International Journal of Environmental Research and Public Health*. 15(8): 1751-1762. 2018.
2. Contributing Author. Human Health & Well Being Working Group. "Site Commissioning White Paper." U.S. General Services Administration. July 2017. Prepared by Andropogon Associates, Ltd.
3. **Andrews, Leann**, Andrew Bailey, Zach Barker, Marin Braco, Nina Chase, Kim Dietzel, Karl Krause, Tim Mollette-Parks, Andrew Sargeant, & Nate Wooten. "The Olmsted Scholar Agenda: From Declaration to Action". An action plan for the New Landscape Declaration. Landscape Architecture Foundation. 2017.
4. **Leann Andrews** and Nancy Rottle. "Deploying Living Walls as Kinetic Facades" *Journal of Living Architecture*. 4(2): 17-31. 2017
  - a. Awarded "Best Paper of the Year" for JoLA by the Green Infrastructure Foundation
5. Yocom, Kenneth, **Leann Andrews**, Nicole Faghin, Karen Dyson and Thomas Leschine. "Revitalizing Urban Waterfronts: Identifying Indicators for Human Well-Being." *AIMS Environmental Science*. 3(3): 456-473. 2016
6. **Andrews, Leann** and Kathleen Wolf. "Open Space and Human Health in the Central Puget Sound Region". The Central Puget Sound Regional Open Space Strategy. White Paper. December 2015.

7. **Andrews, Leann**, and Ben Spencer. "Design as Preventive Medicine." In *Developing Global Health Programming: A Guidebook for Medical and Professional Schools*, edited by Jessica Evert, Paul Drain, and Thomas Hall. 2nd ed. Global Health Collaborations Press, 2014.
8. Spencer, Ben, and **Leann Andrews**. "Interdisciplinary Design Case Study: Escuela Ecologica Saludable Initiative (The Healthy Ecological School Initiative), Lomas de Zapallal, Lima Peru." In *Developing Global Health Programming: A Guidebook for Medical and Professional Schools*, edited by Jessica Evert, Paul Drain, and Thomas Hall. 2nd ed. Global Health Collaborations Press, 2014.
9. **Andrews, Leann**. "Just What The Doctor Ordered: Strategies To Create Healthier Design". *EDRA44 Proceedings*. The Environmental Design and Research Association, 2013. Print.
10. **Andrews, Leann** and Nancy Rottle. "Educating Green Through the University of Washington's Green Futures Research and Design Lab." *Essentials Magazine, NSSEA*. Oct 2013. Print.
11. "Health Impact Assessment of the Lower Duwamish Waterway Superfund Cleanup Project", edited by **Leann Andrews**, Scott Beckstrom, Carlos Camera, Amber Lenhart, and Yoli Grandjean. July 2012.

## INVITED OUTSIDE UW COURSE LECTURES + WORKSHOPS

UD 60703: Urban Design Studio III: Dreaming Cities

Kent State University College of Architecture and Environmental Design, Cleveland OH

Host: Jayme Schwartzberg, April 10, 2015; *Design Strategies in Informal Settlements*

Green Wave International Urban Planning and Design Summer Workshop, Taipei, Taiwan

Hosts: Chinese Culture University, City of Taipei

July 26, 2013; *Creative Public Design: Environmental Whimsy and Demonstration Projects*

## INVITED UW COURSE LECTURES

DENT 520: Global Oral Health

Sponsor: Ana Lucia Seminario, May 2, 2018; *Global Health and the Environment Connection*

GH 556: Global Mental Health

Sponsor: Deepa Rao, April 30, 2018; *Global Mental Health, the Environment, and Design*

LARCH 341: Site Design and Planning

Sponsor: Julie Johnson, November 14, 2017; *Designing for Environmental Health*

LARCH 598: Perception of Nature in the Dense City

Sponsor: Laure Heland, November 15, 2017; *Designing Landscapes for Health*

GH 556: Global Mental Health

Sponsor: Deepa Rao, May 9, 2016; *Gardens, Greenspace and Health in Lima, Peru*

BE 550: Colloquium-Practicum on Research-Practice and Teaching-Learning

Sponsor: Carrie Dossick, April 7, 2016; *Examinations in BE PhD* with Chris Monson

GH 571: Essentials in Clinical Care and Capacity Building in Low Income Countries

Sponsor: Joe Zunt, February 22, 2016; *Role of Built Environment Design in Global Health* with J. Alarcón

ESRM 201: Sustaining Pacific Northwest Ecosystems

Sponsor: Susan Bolton, David Butman, November 24, 2015; *Urban Ecological Design*

LARCH 432: Soils and Hydrology

Sponsor: Nancy Rottle, May 6, 2015; *Sustainable Water Design at The Bullitt Center*

GH 456: Global Mental Health

Sponsor: Deepa Rao, April 15, 2015; *Culturally Appropriate Design and Assessment Protocols*

CEP 498: Environmental Grant Writing Practicum

Sponsor: Frederica Helmiere, January 28, 2015; *Project Management Guidelines*

LARC 503: Design Activism Studio

Sponsor: Ben Spencer, January 9, 2014; *The Comunidad Ecologica Saludable Initiative*

ESRM 201: Sustaining Pacific Northwest Ecosystems

Sponsor: Susan Bolton, PhD, November 18, 2014; *Urban Ecological Design*

LARCH 363: Ecological Design and Planning

Sponsor: Ken Yocom, June 2, 2014; *A Demonstration Project of Small Scale Ecological Design*

LARCH 432: Soils and Hydrology

Sponsor: Nancy Rottle, May 27, 2014; *Living Buildings, Water Systems + The Bullitt Center*

ENVIR 495: Grant Proposal Practicum

Sponsor: Patrick Bridegam, January 29, 2014; *Grant Writing + Preparations for the UW Green Wall*

LARC 503: Design Activism Studio

Sponsor: Ben Spencer, January 8, 2014; *Researching Greenspace and Health in Lomas de Zapallal*

ESRM 201: Sustaining Pacific Northwest Ecosystems

Sponsor: Susan Bolton, PhD, November 14, 2013; *Green Infrastructure and Human + Ecological Health*

GH 503: Multidisciplinary Perspectives in Global Health

Sponsor: Susan Bolton, PhD, April 11, 2013 ; *Design Professions, Global Health and Climate Change*

LARC 302: Urban Design Studio

Sponsor: Luanne Smith, February 2, 2013; *Living Walls and Prototypes*

ESRM 201: Sustaining Pacific Northwest Ecosystems

Sponsor: Susan Bolton, PhD, December 4, 2012; *Urban Ecology and Green Infrastructure*

LARC 341: Site Design and Planning

Sponsor: Julie Johnson, November 13, 2012; *Designing for Health*

LARC 590: Landscape Architecture Graduate Colloquium

Sponsor: Thaisa Way, November 19, 2012; *The Green Futures Lab*, with Professor Nancy Rottle

## **INVITED UW REVIEWS**

LARC 303: Ecological Design Studio

Sponsors: Ken Yocom, Julie Johnson, June 1 2018; studio final review for BLA/MLAs

LARC 703: Nepal Capstone Studio

Sponsors: Brian Gerich, Ben Spencer, April 27/May 18 2018; capstone final reviews for graduating MLAs

MLA Capstone/Thesis Project Reviews

Sponsor: Ken Yocom, April 24, 2018; final presentation reviews/defenses for graduating MLAs

LARC 598F: Floating Wetlands Studio-Seminar

Sponsors: Nancy Rottle and Mason Bowles, April 24, 2018; final design review

LARC 702: Nepal Capstone Studio

Sponsors: Brian Gerich and Ben Spencer, March 2, 2018; capstone studio midreview for graduating MLAs

LARC 701: Thesis Studio

Sponsor: Julie Parrett, March 1, 2018; midterm reviews for graduating MLAs

LARC 300: Introduction to Landscape Architecture Studio

Sponsor: Michael Lewis, August 15, 2017; studio final review for incoming BLAs

LARC 498: Neighborhood Design Studio

Sponsor: Elizabeth Umbanhowar, August 11, 2017; studio final review for BLA/MLAs

URBDP 508: Aberdeen Coastal Resilience Studio

Sponsor: Dan Abramson, March 17, 2016; studio final review for MUP/MLAs

MLA Capstone/Thesis Project Reviews

Sponsors: Jeff Hou and Julie Johnson, March 14, 2016; studio midterm reviews for graduating MLAs

LARC 302: Urban Design Studio

Sponsors: Luanne Smith and Daniel Winterbottom, March 11, 2016; studio final review for BLA/MLAs

LARC 303: Ecological Systems Studio

Sponsor: Julie Parrett and Michael Lewis, June 5, 2015; studio final review for BLA/MLAs

LARC 502: Design Activism Studio

Sponsor: Ben Spencer, March 17, 2015; studio final review for MLAs

MArch Thesis Project Reviews

Sponsor: Architecture Department, March 9, 2015; final reviews for graduating MArch students

LARC 401: Urban Cultural Landscapes Studio

Sponsor: Lynne Manzo, December 3, 2014; studio final review for BLAs

LARC 300: Summer Introductory Landscape Architecture Studio

Sponsor: Iain Robertson and Luanne Smith, August 19, 2014; studio final review for incoming BLAs

MLA Capstone/Thesis Project Reviews

Sponsor: Jeff Hou, Feb 28, 2014 + May 1, 2014; studio midterm and final reviews for graduating MLAs

LARC 303: Ecological Systems Studio

Sponsor: Julie Johnson and Ken Yocom; June 6, 2014, studio final review for BLA/MLAs

LARC 502: Design Activism Studio

Sponsor: Ben Spencer, March 17, 2014; studio final review for MLAs

LARC 302: Urban Design Studio

Sponsor: Luanne Smith and Daniel Winterbottom, March 14, 2014, studio final review for BLA/MLAs

LARC 402 Neighborhood Design Studio

Sponsor: Julie Johnson, February 5 2014 + 26, 2014, studio mid reviews for BLAs

LARC 507: Advanced Studio

Sponsor: Jeremy Watson and Ken Yocom, November 8, 2013, studio mid review for MLAs

LARC 503: Design Activism Studio

Sponsor: Ben Spencer, March 12, 2013; studio final reviews for MLAs

LARC 300: Intro to Design

Sponsor: Iain Robertson and Luanne Smith, August 17, 2012; studio final reviews for incoming BLA/MLAs

LARC 402: Neighborhood Design Studio

Sponsor: Julie Johnson, March 16, 2012; studio final reviews for BLAs

LARC 503: Design Activism Studio

Sponsor: Ben Spencer, March 9, 2012; studio final reviews for MLAs

LARC 300: Intro to Design

Sponsor: Julie Johnson, November 27, 2011; studio midterm reviews for BLA/MLAs

## **STUDENT THESIS AND CAPSTONE COMMITTEES**

Vashchenko, Tatyana. *Beyond Land's End: Cultivating the Urban Waterfront through Aquaculture*. MLA. Design Thesis, Reader, June 2018.

Cook, Summer. *Integrating Agroforestry and Green Infrastructure in the Peruvian Amazon*. Bachelors in Environmental Studies & Resource Management. Senior Capstone Project., Advisor, June 2018.

Alarcón, Jorge. *Exploring Relationships Between Vector-Borne Diseases and Landscape Architecture*. MLA. Research Thesis, Reader, June 2016.

Glass, Gabrielle. *Developing Olmsted: Combatting Contemporary Health Problems through Century Old Design Ideas*. M'Arch. Design Thesis, Committee Member, March 2015.

MacDonald, Matt. *Design and Comparative Evaluation of Floating Wetlands in the Puget Sound Lowlands: Water Temperature Control, Plant Performance and Aquatic Habitat*. MLA. Design and Research Thesis, advisory committee member, June 2016.

## **SELECTED PROJECT LEADERSHIP EXPERIENCE**

With Traction / InterACTION Labs

*InterACTION Labs Iquitos: Piloting an interdisciplinary built environment community health program with an informal settlement in the Peruvian Amazon*

With the University of Washington Green Futures Lab:

*Duwamish Floating Wetlands, Seattle WA*

*Biodiversity Green Wall, Edible Green Screen and Water Harvesting Demonstration Project, UW, Seattle WA*

*Measured Benefits: Monitoring the Impacts of the UW Green Wall and Water Harvesting System, UW, Seattle WA*

*Planning of Seattle Shoreline Street End Pocket Parks to Impact Human Health and Wellbeing, Seattle WA*

*Floating Wetlands Research, Design, and Construction, Seattle WA*

With the Informal Urban Communities Initiative:

*Fog Water Farm Park and Gardens Project, Lomas de Zapallal, Lima, Peru*

*Impact of Garden Technologies on Human, Ecological and Environmental Health, Claverito floating slum community in the Amazon Rainforest, Iquitos, Peru*

With URS Corporation (now AECOM):

*Train Avenue Greenway and Watershed Wide Green Infrastructure Plan, Cleveland OH*

*First Energy Sammis Wetland Mitigation Project, Stratton OH*

*Orchard Hills Park Design, Stream + Wetland Restoration, Chardon OH*

*Mud Brook Preserve Stream and Wetland Mitigation Project, Stow OH*

*Ohio Turnpike Sustainability Masterplan and Guidebook, OH*

*Cuyahoga Community College Sustainability Masterplan, Cleveland OH*

*University of Buffalo Solar Energy Park, Buffalo NY*

*Charles Street Pocket Park, Buffalo NY*

*Niacet Corporate Park and Sustainability Plan, Niagara Falls NY*

*Mayfield Heights Green Infrastructure Demonstration Project, Mayfield Heights OH*

*Mayfield Heights Ecological Interchange and Gateway Landscaping, Mayfield Heights OH*

*Howland Township Ecological Interchange Gateway, Howland Twp, OH*

Independent Consulting

*Plaza de Armas Renovation Project, client: Municipality of Maynas, Iquitos Peru, with Jorge A. Alarcón*

*Huayolandia: Imagination, Education + Play Park, client: Centro de Rescate Amazonico (CREA), Iquitos Peru, with Jorge A. Alarcón*

*Tambo Minga Community Center for Indigenous Women Empowerment, client: Minga, Nauta Peru, with Jorge A. Alarcón*

*Therapeutic Gardens Landscape Analysis and Planning, client: Transitional Resources, Seattle WA*

## **Selected Grant Awards for Research and Design**

- Totaling \$1,560,326

2018	100,000 Strong in the Americas Innovation Fund, CAF-Development Bank of Latin America, Sempra Energy, and the U.S. Department of State for InterACTION Labs, <b>\$25,000</b>
2017	Centro de Investigaciones Tecnológicas Biomédicas y Medioambientales Research Grant, Centro de Excelecia de Peru, for InterACTION Labs, <b>\$111,616</b>
2017	Population Health Initiative Pilot Research Grant, University of Washington, for design and research of "InterACTION Labs: Piloting an interdisciplinary built environment community health program with an informal settlement in the Peruvian Amazon.", with Informal Urban Communities Initiative, <b>\$50,000</b>
2017	Global Innovation Fund, University of Washington, for interdisciplinary cross-country faculty exchange and research development program in Iquitos, Peru, with Informal Urban Communities Initiative, <b>\$15,000</b>
2016	Fogarty International Global Health Research Grant, National Institutes of Health, for design and research on the Impact of Garden Technologies on Human and Environmental Health in Floating Slum Communities in the Amazon Rainforest, with Co-PI Jorge A. Alarcón, <b>\$7,500</b>
2016	Centro de Investigaciones Tecnológicas Biomédicas y Medioambientales Research Grant, Centro de Excelecia de Peru, for research on the Impact of Garden Technologies on Human and Environmental Health in Floating Slum Communities in the Amazon Rainforest, with Co-PI Jorge A. Alarcón, <b>\$54,571</b>
2014/5	Green SEED Fund, University of Washington, for research on the Biodiversity Green Wall, Edible Green Screen and Water Harvesting Demonstration Project, with UW Green Futures Lab, <b>\$46,000</b>
2013	King County Department of Transportation, for construction of a Floating Wetlands Demonstration Project, with UW Green Futures Lab, <b>\$10,000</b>
2012	WA Department of Ecology Watershed Protection Grant, for construction of the Subsurface Wetland Park, written for the Town of Coupeville, WA, with UW Green Futures Lab, <b>\$495,523</b>

- 2012 Campus Sustainability Fund, for construction of the Biodiversity Green Wall, Edible Green Screen and Water Harvesting Demonstration Project, with UW Green Futures Lab, **\$91,500**
- 2012 TKF Foundation, Open Spaces Sacred Places Grant, for planning of design, construction and 5 years of research on how pocket parks at Shoreline Street Ends can affect human health + wellbeing, with UW Green Futures Lab, **\$47,651**
- 2012 UW Environmental Innovation Challenge Prototype Fund, for design and construction of Vegetated Wall Prototype, with D. Tomlinson, **\$4,000**
- 2011 Campus Sustainability Fund, for feasibility and design of the Biodiversity Green Wall, Edible Green Screen and Water Harvesting Demonstration Project, with UW Green Futures Lab, **\$10,185**
- 2011 Washington SeaGrant, for stormwater quality monitoring of Waterfront Subsurface Wetland Park, with UW Green Futures Lab, **\$130,000**
- 2011 The Russell Family Foundation, for feasibility study of Stormwater Web Portal, with UW Green Futures Lab **\$10,000**
- 2011 The Russell Family Foundation, for design of the Subsurface Wetland Park, Town of Coupeville Stormwater Park, with UW Green Futures Lab, **\$35,300**
- 2011 National Parks Foundation, Rivers Trails and Conservation Assistance Program, for NPF staff assistance, Regional Open Space Strategy Phase II Watershed Planning Study, with UW Green Futures Lab, **\$25,500**
- 2010 Ohio EPA Surface Water Improvement Fund Grant, design and construction of a Green Infrastructure Demonstration Project at Mayfield Heights OH, with URS Corporation, **\$231,000**
- 2010 Ohio DOT Transportation Enhancement Grant, Ecological Interchange Gateway Landscaping at Howland Township OH, with URS Corporation, **\$160,000**

## **WORK PUBLISHED BY OTHERS / IN THE MEDIA**

### **Magazines and Journals**

Katsma, Katarina. "Where Least Matters Most." *Landscape Architecture Magazine*, May 2018. **[for InterACTION Labs, Iquitos / Traction]**

Fraser, Barbara. "Landscapes for Health in Iquitos Peru." *Hakai Magazine*, article pending.

Dill, Michele Andrus. "High Marks for Being Green." *Alaska Airlines Horizon Magazine*, September 2014. **[for Biodiversity Green Wall, GFL]**

Pan, Harley. "Green Infrastructure: Biodiversity Green Wall in University of Washington, Seattle." *Green Magazine*, Taiwan. June 2014, Vol. 29. **[for Biodiversity Green Wall, GFL]**

DeWeerd, Sarah. "Gardening on the Side." *UW Conservation Magazine*. September 7, 2012, online available <http://conservationmagazine.org/2012/09/gardening-on-the-side-2/> **[for Biodiversity Green Wall, GFL]**

Porter, Lynn. "Purple and gold students fashion green walls." *Seattle Daily Journal of Commerce*, Construction Industry Spotlight. July 26, 2012, online available <http://www.djc.com/news/co/12043311.html> **[for Biodiversity Green Wall, GFL]**

"ASLA Student Awards, Community Service Honor Award, Escuela Ecologica Saludable Initiative." *Landscape Architecture Magazine*. September 2012, Vol 102. No 9. 86. **[for Escuela Ecologica Saludable, IUCI]**

### **Newspapers and Articles**

Gil, Inma. "'Las plantas son un signo de cambio': Como unos humildes jardines mejoraron la salud de los vecinos de una zona desértica de Lima en Peru." *BBC World Service*. June 21, 2017 **[for Fog Water Farm Park and Gardens, IUCI]**

Bracken, Mullin and Shastri. "The Fog Catchers" *New York Times Daily 360*. March 3, 2017. **[for Fog Water Farm Park, IUCI]**

"Impacto de tecnologías de jardín en la salud humana ecológica y ambiental." *La Region*. September 26, 2016. **[for Garden Technologies of Claverito project, IUCI]**

"Unap busca alianza estratégica con la Universidad de Washington-USA." *La Region*. March 27, 2017. [Online](#) [for **UW-Peru interdisciplinary exchange program**]

Spaw, Matt. "Green Seed Funds Bring Sustainable Ideas to Life." *UW Daily* [Seattle] 27 Feb. 2014. [for **Biodiversity Green Wall, GFL**]

Long, Katherine. "UW students invest their energy, ideas and cash in green projects." *The Seattle Times*. April 19, 2012. Online available <http://www.seattletimes.com/seattle-news/uw-students-invest-their-energy-ideas-and-cash-in-green-projects/> [for **Biodiversity Green Wall, GFL**]

Doughton, Sandi. "UW project seeks to harvest fog for irrigation." *The Seattle Times*. March 15, 2013. [for **Comunidad Ecológica Saludable, IUCI**]

### **Books**

Abendroth, Lisa and Bryan Bell. The Informal Urban Communities Initiative: Comunidad Ecológica Saludable. In *Public Interest Design Practice Guidebook: SEED Methodology, Case Studies, and Critical Issues*. pp 230-233. Routledge: New York/London, 2015. [for **Gardens, Greenspace + Health Project, IUCI**]

### **Blogs and Website Postings**

Fisher, Brooke. "Staying Afloat." *Department of Civil and Environmental Engineering News*, June 26, 2018; reposted on UW home page, August 18, 2018. Online available [https://www.ce.washington.edu/news/article/2018-06-28/staying-afloat/?utm\\_source=uwhp-topstory&utm\\_medium=readmore&utm\\_campaign=cee-amazon](https://www.ce.washington.edu/news/article/2018-06-28/staying-afloat/?utm_source=uwhp-topstory&utm_medium=readmore&utm_campaign=cee-amazon) [for **InterACTION Labs, Iquitos**]

"Innovation grant builds untraditional partnerships for global health." *Department of Global Health News* February 21, 2018. Online available <https://globalhealth.washington.edu/news/2018/02/21/innovation-grant-builds-untraditional-partnerships-global-health> [for **InterACTION Labs, Iquitos**]

Eller, Nikki. "Landscape Architects take on global issues from the ground up." *Humanosphere*. [International global health blog]. July 18, 2016.

Way, Hailey. "College of Built Environment students unveil Biodiversity Green Wall." *Milky Way*, January 16, 2013. Online available <https://haileyway.wordpress.com/2013/01/16/college-of-built-environment-students-unveil-biodiversity-green-wall/> [for **Biodiversity Green Wall, GFL**]

Benfield, Kaid. "The coolest green infrastructure you are likely to see." *Switchboard*, National Resource Defense Council blog, November 27, 2012, online available [http://switchboard.nrdc.org/blogs/kbenfield/the\\_coolest\\_green\\_infrastructu.html](http://switchboard.nrdc.org/blogs/kbenfield/the_coolest_green_infrastructu.html) [for **Biodiversity Green Wall, GFL**]

Benfield, Kaid. "This could be the key to making downtowns greener." *The Atlantic CityLab*, November 27, 2012. Online available <http://www.citylab.com/tech/2012/11/could-be-key-making-downtowns-greener/3991/> [for **Biodiversity Green Wall, GFL**]

Kelley, Peter. "Vertical sustainability: Moveable 'green walls' coming to Gould Hall." *UW Today*. June 5, 2012. Online available <http://www.washington.edu/news/2012/06/05/vertical-sustainability-moveable-green-walls-coming-to-gould-hall/> [for **Biodiversity Green Wall, GFL**]

Hodson, Jeff. "A Peruvian slum gets a massive green makeover." *UW Today*. February 13, 2012. Online available <http://www.washington.edu/news/2012/02/13/a-peruvian-slum-gets-a-massive-green-makeover-with-slide-show/> [for **Escuela Ecológica Saludable Project, IUCI**]

### **Television / Film / Radio**

"Unap busca alianza estratégica con la Universidad de Washington-USA." *Cable Vision* [Iquitos, Peru], March 26, 2017. [for **UW-Peru interdisciplinary exchange program**]

Chittim, Gary. "UW students researching vertical gardens." *King 5 News* [Seattle], July 25, 2012.  
<http://www.king5.com/news/environment/UW-studentsresearching-vertical-gardens-163794166.html>  
**[for Biodiversity Green Wall, GFL]**

Chambers, Jane. "Health Gardens in Lima Slum Communities." *BBC Health Check* show, February 16, 2017. [Online](#).  
**[featured speaker, for Fog Water Farm Park and Gardens projects, IUCI]**

UWTV – The Daily's Double Shot, May 11, 2012. **[for Biodiversity Green Wall, GFL]**

Marks, Susan. SEEDocs: Escuela Ecologica Saludable. *The UpTake* (Film). Design Corps. 2012. Online available  
<https://vimeo.com/51300465> **[for Escuela Ecologica Saludable Project, IUCI]**

Pathways to Global Health. Escuela Ecologica Saludable. *The Next Fifty*. UW Dept. of Global Health / The  
Production Network (Film). June 2012. **[for Escuela Ecologica Saludable, IUCI]**