

Curriculum Vitae

Jenny E. Sabin

M.ARCH(Hons), BFA(Hons), BA(Hons)

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Arthur L. and Isabel B. Wiesnerberger Associate Professor, Dept of Architecture, Cornell University
Director, Graduate Studies and Post-Professional Program, Dept of Architecture, Cornell University
Principal and Founder, Jenny Sabin Studio LLC, www.jennysabin.com
Director and Founder, Sabin Design Lab, Cornell University, <http://sabinlab.aap.cornell.edu>
Co-Founder and Co-Director, LabStudio, www.labstudio.org

Summary of Professional History

Before completing her Master of Architecture degree at the University of Pennsylvania in 2005, Jenny E. Sabin was a practicing visual artist based in Seattle, Washington, USA. Sabin is the Arthur L. and Isabel B. Wiesnerberger Associate Professor in the area of design and emerging technologies in architecture at Cornell University. She is Principal of Jenny Sabin Studio, an experimental architectural design studio based in Ithaca, NY USA and director of the Sabin Design Lab at Cornell AAP, a hybrid research and design unit with specialization in computational design, data visualization, and digital fabrication. Jenny holds degrees in ceramics and interdisciplinary visual art from the University of Washington and a master of architecture from the University of Pennsylvania where she was awarded the AIA Henry Adams first prize medal and the Arthur Spayd Brooke gold medal for distinguished work in architectural design, 2005. She was awarded the highly respected Pew Fellowship in the Arts 2010 and in 2011 she was named 1 of 50 US Artists Fellows. In 2014, she was awarded the prestigious Architectural League Prize for Young Architects. She has exhibited nationally and internationally including in the acclaimed 9th ArchiLab titled *Naturalizing Architecture* at FRAC Centre, Orleans, France and most recently as part of *Beauty*, the 5th Cooper Hewitt Design Triennial. Currently, her work is on view in the exhibition, *Imprimer Le Monde* at the Centre Pompidou. Her design work has been published extensively including in *A+U*, the *New York Times*, *Mark Magazine*, *Science*, 306090 and the *American Journal of Pathology*. Her book titled *LabStudio: Design Research Between Architecture and Biology* co-authored with Peter Lloyd Jones was published in July 2017. This year, Sabin won the internationally acclaimed MoMA PS1 Young Architects Program with her submission, *Lumen*.

Current Research and Design Projects - highlights

- Feb-2017 Jenny Sabin Studio's winning entry **Lumen wins YAP competition for MoMA and MoMA PS1**; on view at MoMA PS1 June 29-September 4, 2017
- Sept-2015 Sabin invited to participate in **Beauty—Cooper Hewitt Design Triennial exhibition**, opened February 2016.
- June-2014 Sabin wins **2014 NYC Architectural League Prize for Young Architects + Designers: Overlay**; The League Prize is one of the most prestigious awards for young architects in North America. The program exemplifies the League's longstanding commitment to identifying and nurturing the development of talented young architects and designers.
- 2013 - 2015 Jenny Sabin Studio commissioned to design and fabricate facade accent panels, a network of front entry railings and public street furniture for a **new 31-unit housing development** in the Francisville neighborhood of Philadelphia, PA; **won by public competition**; in collaboration with ISA Architects
- Sept-2013 Sabin exhibits work in the acclaimed **ArchiLab exhibition series titled *Naturalizing Architecture* at the FRAC Centre**, Orleans, France. Participants include: Alisa Andrasek, Kokkugia, Neri Oxman, Achim Menges, SJET, Marc Fornes + others.
- May-2013 **Sabin shares in National Science Foundation EFRI ODISSEI** research grant. Sabin and Dan Luo, professor of biological and environmental engineering, are among the lead investigators on a new research project to produce "buildable, bendable and biological materials" for a wide range of applications. Sabin and Luo will share in a **\$2 million, four-year NSF** grant with University of Pennsylvania researchers Randall Kamien, physics, and Shu Yang, materials science. The project is intended to bring new ideas, motifs, portability and design to the formation of intricate chemical, biological and architectural materials.
- Sept-2012 **Sabin selected as 1 of 6 International Innovators by Nike Inc.** to join the International Nike FlyKnit Collective; Sabin designs innovative pavilion titled *myThread* for Nike FlyKnit, 276 Bowery, NYC.

Summary of Research Interests

Jenny E. Sabin's work and research is at the forefront of a new direction for 21st-century architectural practice---one that investigates the intersections of architecture and science, and applies insights and theories from biology and mathematics to the design of material structures. Sabin's research probes the hybridization of algorithmic design techniques generated thru the analysis of biological design problems with experiments in fabrication and material construction. Sabin Design Lab, based at Cornell Architecture, is currently working on two NSF EFRI funded projects with emphasis upon responsive materials and building skins, programmable matter, and adaptive architecture. She is co-founder with Peter Lloyd Jones of the hybrid research and design unit, Sabin+Jones LabStudio, where she was the first non-scientist member of the Institute for Medicine and Engineering (IME), University of Pennsylvania. Sabin continues to collaborate with scientists on NSF funded projects at Cornell University, UPenn, and beyond. Sabin is also a founding member of the Nonlinear Systems Organization (NSO), a research group at PennDesign started by Cecil Balmond, where she was Director of Research. Her research on textile structures and fabrication has brought together participants and collaborators from Nike Inc., SOM, the Philadelphia University Textile Engineering Lab, the Fabric Workshop and Museum, ACADIA, the Canadian Design Research Network and the Fibers and Materials Dept at the School of the Art Institute of Chicago.

EDUCATION

2004 - Fall Architectural Association, London, U.K., PennDesign London Study Abroad
2002 - 05 Master of Architecture, University of Pennsylvania, Philadelphia, PA, USA
1996 - Fall University of Washington Studio Arts Program in Rome, Italy
1995 - 98 Bachelor of Fine Arts and Bachelor of Arts, University of Washington, Seattle, WA, USA
1993 - 95 University of Puget Sound, Tacoma, WA, USA

Degrees

M.ARCH Master of Architecture with Honors (top of class), University of Pennsylvania, 2005
BFA Bachelor of Fine Arts, cum Laude, Ceramics, University of Washington, 1998
BA Bachelor of Arts, cum Laude, Interdisciplinary Visual Art, University of Washington, 1998
Minor Art History, University of Washington, 1998

EMPLOYMENT

Academic Employment History

2011 - Arthur L. and Isabel B. Wiesenberger Associate Professor, Cornell University, Dept of Architecture
2006 - 2011 Full-time Lecturer, University of Pennsylvania School of Design, Graduate Dept of Architecture
2010 - Aug Visiting Instructor, 333 Studio, California College of the Arts, Architecture Program
2005 Part-time Lecturer, University of Pennsylvania School of Design, Graduate Dept of Architecture

Professional Employment History

2006 - Principal, Jenny Sabin Studio LLC, Ithaca, NY USA
May-Sept, 2006 Project Designer and Project Manager, Advanced Geometry Unit, Arup, London, U.K.
2005 - Spring Production Team, 'Grotto' project, Aranda/Lasch for MOMA PS1 Young Architects Program
2004 - 06 Lead Project Designer, w/ Annette Fierro and Penn Praxis, Philadelphia, PA, USA
1998 - 02 Director, Sabin Studio, Seattle, WA, USA

Research Appointments

2011- Founder and Director of the Sabin Design Lab at Cornell AAP, Cornell University
2006-2011 Co-founder and Co-Director of the Sabin+Jones LabStudio with Peter Lloyd Jones, University of Pennsylvania
2010 - 2011 Director of Research, Nonlinear Systems Organization (NSO). The Non-Linear Systems Organization is a research group at the University of Pennsylvania School of Design directed by internationally renowned engineer and designer, Cecil Balmond. Its mission is to explore ways in which architecture can demonstrate, test and apply insights and theories from mathematics and the sciences - non-linear, algorithmic and complex - in the design of material structures across an open-ended range of scales, materials and design disciplines.
2006 - 09 Senior Researcher, Nonlinear Systems Organization (NSO), University of Pennsylvania
2005 Coordinator, Nonlinear Systems Organization (NSO), University of Pennsylvania

Memberships

ArcInTex Member, ArcInTex is an international network where Architecture, Interaction Design and Textiles join forces, 2011 -
Pennergy Member, The Penn Center for Energy Innovation Faculty Research Group, 2010 -
SG Member and Senior Tutor, Smart Geometry International Group, 2007 -
IME Member, Institute for Medicine and Engineering, UPenn; note: first non-scientist member of this group, 2007 - 2011
ACADIA Board Member by vote and invitation, Association for Computer Aided Design in Architecture, 2011 - 2013
ASIP Member, American Society for Investigative Pathology, 2011 - 2013
Klein Gallery Board Member, Esther Klein Art Gallery, University City Science Center, 2007 - 2011

Editorial Boards

3D Printing Editorial board member, *3D Printing*, an International journal. Hod Lipson, founder; Skylar Tibbits, Editor-in-Chief
RSEJ Editorial board member, Renewable and Sustainable Energy: an International journal (RSEJ)

AWARDS

Awards and Distinctions

2017 **Winner, MoMA and MoMA PS1's Young Architects Program, 2017.**
2016 **Winner, Innovator Award, Architectural Record 2016 Women in Architecture Awards;** 1 of 5 awards conferred nationally
2015 **Winner, IVY Innovator in Design,** a National Award Recognizing & Supporting The Next Generation of Leading Minds in Technology, Film, and Design
2014 **Awardee, Excellence in Digital Practice, 1 of 6 awards conferred by ACADIA,** Association for Computer Aided Design in Architecture, nominated and voted on by the international community of members
2014 **Winner, 2014 NYC Architectural League Prize for Young Architects + Designers: Overlay**
2011 - Sabin named **2011 USA Knight Fellow,** 1 of 50 (\$50,000) fellowships awarded nationally by the United States Artists
2010 - Sabin awarded prestigious **2010 Pew Fellowship in the Arts** for architecture and design
2010 Sabin awarded the **G. Holmes Perkins Award for distinguished teaching by a member of the Associated Faculty** of the School of Design, UPenn

- 2010 Sabin+Jones LabStudio project, *Ground Substance*, featured on the cover of the **American Journal of Pathology**, February 2010
- 2010 *Branching Morphogenesis*, a Sabin+Jones LabStudio project, **wins AAAS/NSF International Visualization Challenge**. To be featured on the **cover of Science**. "The AAAS/NSF International Visualization Challenge recognizes outstanding achievement in the use of visual media to promote understanding of research results and scientific phenomena. The judges' criteria for evaluating the entries included visual impact, innovation and accuracy."
- 2006 **Scholarship awardee, Smart Geometry Workshop** and Conference, Cambridge, U.K.
- 2006 Scholarship awardee, Smart Geometry Summit, Prague, Czech Republic
- 2005 Vitetta Best and Brightest, 3rd place prize in exhibition invitational
- 2005 **AIA Henry Adams Medal, first prize medal awarded to the student with the highest record in all courses in the professional degree program**, University of Pennsylvania, School of Design
- 2005 **Arthur Spayd Brooke Memorial Prize, gold medal for distinguished work in architectural design**
- 2004 – 05 American Association of University Women Selected Professions Fellow
- 2005 John Stewardson Memorial Scholarship Competition, 3rd place prize, University of Pennsylvania, School of Design
- 2004 Mario J. Romanach Fellowship, University of Pennsylvania, School of Design
- 2004 AIA/AAF Scholarship for First Professional Degree Candidates, University of Pennsylvania, School of Design
- 2004 Albert F. Schenck Memorial Scholarship Competition, 3rd place prize, University of Pennsylvania, School of Design
- 2004 E. Lewis Dales Memorial Traveling Fellowship, University of Pennsylvania, School of Design
- 2003 Warren Powers Laird Award, top of class, University of Pennsylvania, School of Design
- 2004 Penn Design Traveling Scholarship, Architectural Association, London, U.K.
- 1999 University of Washington School of Arts and Humanities, Dean's Medal Honoree
- 1996 – 97 University of Washington Trustee Scholarship
- 1996 Lambda Rho Rome Scholarship, University of Washington, School of Art

SCHOLARLY WORK

Conferences, Symposia, Exhibitions & Distinctions

- April-2017 **Session Chair by invitation, FABRICATE 2017** conference in Stuttgart, Germany; hosted by Institute for Computational Design, Achim Menges
- March-2017 Co-Chair and lead organizer, *Matter Design Computation Symposium: The Art of Building from Nano to Macro*, Cornell AAP **Preston Thomas Memorial Lecture Series**, March 10/11, 2017
- Nov – 2016 Participant by invitation, **Phyllis Lambert Seminar, Architects (Re)Search**, University of Montreal; with Salmaan Craig, Jane Hutton, Robert Somol, Mario Carpo, Michael Hensel, Georges Teyssot; organized by Alessandra Ponte
- Nov – 2016 Participant by invitation, **Living Architecture Systems symposium**; organized by Philip Beesley, School of Architecture, University of Waterloo
- Oct – 2016 Conference session chair on Architecture, **The Fiber Society 2016 Fall meeting and technical conference**, FSAD Cornell University; 1st architect-led session in the society's 75-year history
- April-2015 Co-Chair, **Adaptive Architecture & Programmable Matter: Next Generation Building Skins and Systems from nano to macro**, Materials Research Society, first symposium at the annual exhibition and meeting chaired by architects
- August – 2014 Co-organizer, EFRIFEST: Workshop on Foldable, Buildable, & Responsive Materials from micro scale to building scale, University of Pennsylvania
- March - 2013 **Panel Session Organizer and Moderator, Energy Circuits + Artificial Ecologies / Reciprocal Systems: Code vs Environment, ACSA 101** New Constellations/New Ecologies, San Francisco, CA
- Feb – 2013 Conference Co-Organizer with Michael Hensel and Kevin Pratt, The Hans and Roger Strauch Symposium on Sustainable Design; **Design for Biodiversity: Architectural Responses to Urban Ecology**, February 1st – 3rd, 2013; Dept of Architecture, Cornell University
- April – 2012 **Invited Visiting Fellow, Exploratorium**, San Francisco, CA USA
- Feb – 2012 Moderator, The Hans and Roger Strauch Symposium on Sustainable Design; **Sustaining Sustainability: Alternative Approaches in Urban Ecology and Architecture**, February 3rd and 4th, 2012; co-organized by Michael Hensel and Mark Cruvellier, Dept of Architecture, Cornell University
- April – 2011 **Co-organizer, Smart Geometry 2011 Conference, Building the Invisible: Informing Digital Design with Real World Data**, Smart Geometry 2011, CITA, Copenhagen, Denmark
- Oct – 2010 **ACADIA 2010 Life in:Formation, invited paper and invited special participant**, New York, NY, USA
- Sept – 2010 **Co-organizer and host, public kick-off meeting for NSF EFRI-SEED: Energy Minimization via Multi-Scalar Architectures: From Cell Contractility to Sensing Materials to Adaptive Building Skins**, School of Design, UPenn, USA
- 2010 Sabin and Jones awarded 1 of 10 cluster workshop spots at the 2010 International Smart Geometry Workshop and Conference, Barcelona, Spain
- 2010 - 2011 Invited Artist and Designer in Residence, NextFab Studio; selected to conduct research, design and fabrication work at NextFab Studios; sponsored by Breadboard, Philadelphia, PA USA
- Oct - 2009 ACADIA 09: reform(), invited paper and invited special participant, Chicago, IL, USA
- 2009 Invited Senior Tutor and Lecturer, Smart Geometry Workshop and Conference, San Francisco, CA
- 2009 AIR, Artist in Residence, invited artist, Visualization Department, Texas A&M University, College Station, TX
- April – 2008 **FIBER**, "Sabin, Beesley and Jones, featuring work by PennDesign graduate students", F.U.E.L. Collection, Philadelphia, PA, USA
- Oct - 2008 **School of the Art Institute of Chicago (SAIC), Visiting Artists Program, invited artist**, Chicago, IL, USA
- 2008 Invited Senior Tutor and Lecturer, Smart Geometry Workshop and Conference, Munich, Germany
- 2007 Invited Senior Tutor and Lecturer, Smart Geometry Workshop and Conference, NY, NY
- Oct – 2007 *Frozen Architecture Meets Dynamic Architecture*, "New work from LabStudio: Motility, Surface Design, Networking", Esther Klein Gallery, University City Science Museum, Philadelphia, PA, USA

- Dec – 2006 **Participant, “Cross-Catalytic Architectures”, special event on architecture and science featuring Cecil Balmond, Peter Lloyd Jones, Peter Davies, Jenny Sabin and David Ruy, Slought Foundation, Philadelphia, PA, USA**
- Oct - 2006 Co-organizer and Speaker, Nonlinear Systems Organization Annual Conference, “Architecture Bits: Building in Architecture, Biology and Computation”, University of Pennsylvania, Philadelphia, PA, USA
- Oct - 2006 Organizer, Generative Components Workshop, NSO, Bentley Systems and the Smart Geometry Group team up to host a workshop on parametric and associative architectures, University of Pennsylvania, Philadelphia, PA, USA
- Nov – 2006 Organizer, Generative Components Workshop, NSO, Bentley Systems and the Smart Geometry Group team up to host a second workshop on parametric and associative architectures, University of Pennsylvania, Philadelphia, PA, USA
- April – 2006 Co-chair, Seminar between Institute for Medicine and Engineering and PennDesign with Matilda McQuaid, Curator, Smithsonian Cooper-Hewitt National Design Museum, University of Pennsylvania, Philadelphia, PA, USA
- 2005 Co-organizer, Nonlinear Systems Organization Annual Conference, “Workshops in Irreducible Complexity, Next Steps for Architecture and Science”, University of Pennsylvania, Philadelphia, PA, USA

Scholarly Service

- June – 2015 Committee Member and expert paper reviewer, ACADIA 2015, *Computational Ecologies*, University of Cincinnati, Cincinnati, Ohio
- Dec – 2014 Scientific Committee and expert paper reviewer, SimAUD 2015 (Simulation for Architecture and Urban Design)
- Feb – 2014 Art Gallery Reviewer, SIGGRAPH 2014, *Acting in Translation*, Vancouver B.C.
- June – 2014 Committee Member and expert paper reviewer, ACADIA 2014, *Design Agency*, USC, Los Angeles, CA
- Dec - 2013 Scientific Committee and expert paper reviewer, SimAUD 2014 (Simulation for Architecture and Urban Design), Tampa, FL, USA.
- May 2013 Committee Member and expert paper reviewer, ACADIA 2013, *Adaptive Architecture*, Waterloo Architecture in Cambridge, Ontario, Canada
- June 2012 Committee Member and expert paper reviewer, ACADIA 2012, *Synthetic Digital Ecologies*, CCA, San Francisco, CA
- June-2012 Scientific Committee, Advances in Architectural Geometry 2012 conference, Centre Pompidou, Paris, France
- Jan - 2012 Scientific Committee and expert paper reviewer, SimAUD (Simulation for Architecture and Urban Design), Orlando, FL, USA.
- June - 2011 Committee Member and expert paper reviewer, ACADIA 2011 *Integration through Computation*, Calgary/Banff, Canada.
- 2011 Scientific Committee, Advances in Architectural Geometry 2011 conference
- 2010 Scientific Committee, Advances in Architectural Geometry 2010 conference, Vienna, Austria
- 2010 Committee Member and expert paper reviewer, ACADIA 2010 *Life in:Formation*, New York, NY, USA
- 2010 Panel Moderator, ACADIA 2010 *Life in:Formation*, New York, NY, USA
- 2009 Committee Member and expert paper reviewer, ACADIA 2009 *reForm()*, Chicago, IL USA
- 2009 – summer Sabin+Jones LabStudio Summer Session; two PennDesign M.ARCH students employed as research and design assistants; supervised by Sabin & Jones, IME and PennDesign, University of Pennsylvania
- 2008-09 Thesis Advisor, Graduate Thesis Committee, “Phenotypic Building Skins” by Erica Savig, M.ARCH candidate 09’, University of Pennsylvania, School of Design, Graduate Dept of Architecture
- 2008 Panel Moderator, *Complexity, Emergence and Self-Organization*, ACADIA 2008 *Silicon + Skin: Biological Processes and Computation*, Minneapolis, MN USA
- 2008 Committee Member and expert paper reviewer, ACADIA 2008 *Silicon + Skin: Biological Processes and Computation*, Minneapolis, MN USA
- 2008 – summer Sabin+Jones LabStudio Summer Session; three PennDesign M.ARCH students employed as research and design assistants; supervised by Sabin & Jones, IME and PennDesign, University of Pennsylvania
- 2007 - 08 Thesis Advisor, Graduate Thesis Committee, “*Infrastructure, Ecology, & Geometry – Can an Indigenous architecture utilizing fractal geometry patterns and maximizing ecological conditions be utilized in the rapidly expanding West African city of Accra, Ghana? How can infrastructure & architecture grow simultaneously to provide immediately livable space?*” by LaToya Nelson, M.ARCH candidate 08’, University of Pennsylvania, School of Design, Graduate Dept of Architecture
- 2007 – summer Sabin+Jones LabStudio Summer Session; three PennDesign M.ARCH & LARP students employed as research and design assistants; supervised by Sabin & Jones, IME and PennDesign, University of Pennsylvania
- 2007 - spring LabStudio Report to PennDesign School Council, University of Pennsylvania
- 2006 -07 Overseer and Lead Designer, Nonlinear Systems Organization (NSO) website design and production, University of Pennsylvania, School of Design, Graduate Dept of Architecture
- 2006 – Oct Coordinator, Co-organized the NSO (Nonlinear Systems Organization) Annual Conference, *Architecture Bits*, PennDesign, University of Pennsylvania
- 2006 - Chair, Scripting Tech Group, University of Pennsylvania, School of Design, Graduate Dept of Architecture
- 2006 - Admissions Committee Participant, University of Pennsylvania, School of Design, Graduate Dept of Architecture
- 2006 - Annual participation at School-wide PennDesign Open House, University of Pennsylvania

GRANTS

Research Grants Awarded

- 2013 – 2017 **NSF EFRI ODISSEI: *Cutting and Pasting - Kirigami in Architecture, Technology, and Science (KATS)* [\$2.0 Million]**
Kirigami from the Japanese kiru, “to cut,” offers a previously unattainable level of design, dynamics, and deployability to self-folding and -unfolding materials from the molecular to the architectural scale. To achieve this we will cut and join DNA-polymer hybrids to build on the nanoscale and, simultaneously, use three-dimensional printing and modeling to study and prototype geometries on the macroscopic scale. Randell Kamien, Shu Yang, Dan Luo, Jenny Sabin
- 2013-2014 **CCA Biennial Faculty Project Award**, Cornell University; *eSkin: Simulating Nonlinear Nano-to-Micro Scaled Material Properties and Effects at the Architectural Scale* [\$5,000]

2012-2013	President's Council of Cornell Women PCCW Affinito-Stewart Grant ; <i>Generative Fabrication: Making Nonlinearity Pragmatic in Architecture and Construction via Alternative Fabrication Technologies</i> [\$7,380]
2010-14	NSF EFRI-SEED: Energy Minimization via Multi-Scalar Architectures: From Cell Contractility to Sensing Materials to Adaptive Building Skins [\$2.0 Million] Abstract: This proposal seeks to explore materiality from nano- to macroscales based upon understanding of non-linear, dynamic human cell behaviors on geometrically-defined substrates. The insights as to how cells can modify their immediate extracellular matrix (ECM) microenvironment with minimal energy and maximal effect will lead to the biomimetic design and engineering of highly aesthetic, passive materials, and sensors and imagers that will be integrated into responsive building skins at the architectural scale. Shu Yang (PI), Jenny E. Sabin, Nader Engheta, Jan Van der Spiegel, Peter Lloyd Jones (co-PIs), Andrew Lucia (Senior Personnel)
2009 - 10	Graham Grant for Individual Collaborative Projects (Publication/Documentation); Awarded for production and publication of LabBook by Sabin + Jones [\$10,000]
2009-2011	Wharton Interactive Media Initiative (WIMI) Research Fellowship to Sabin+Jones LabStudio, University of Pennsylvania [\$5,000]
2008-2010	Research Facilities Development Grant to Sabin+Jones LabStudio, University of Pennsylvania [\$170,000]
2007-2008	American Institute of Architects AIA Upjohn Research Grant to Sabin+Jones LabStudio [\$18,000]
2007-2008	Nonlinear Systems Organization Research Grant to Sabin, University of Pennsylvania [\$10,000]
2007-2009	Co-supervisor, ITMAT – IME Fellowship, University of Pennsylvania (School of Medicine) to Sabin+Jones LabStudio [\$90,000]
2004 – 05	American Association of University Women Selected Professions Fellow to Sabin [\$12,000]

TEACHING

Graduate & Undergraduate Courses Taught

2016, Spring	Upper Level Option Design Studio, ARCH 5116, ARCH 8913 & ARCH 4101/4102, 5101; “Biosynthetic Robotic Fabrication: Digital Handcraft & Weird Tectonics”, Cornell University, Cornell AAP, Department of Architecture
2015, Fall	3 rd Semester M.ARCH 1 Graduate Core Studio, ARCH 5113; “Nanofab & Atomic-level Design”, Studio Coordinator, Cornell University, Cornell AAP, Dept of Architecture
2015, Spring	Upper Level Option Design Studio, ARCH 5116, ARCH 8913 & ARCH 4101/4102, 5101; “Twisted & Woven: Sensible architectures in Disaster Relief”, Cornell University, Cornell AAP, Department of Architecture
2015, Spring	Elective Seminar, “Special Topics in Construction: Digital Ceramics”, Cornell University, Cornell AAP, Department of Architecture
2014, Fall	3 rd Semester M.ARCH 1 Graduate Core Studio, ARCH 5113; “Dynamics and Form: Car Park Theatre”, Studio Coordinator, Cornell University, Cornell AAP, Dept of Architecture
2014, Spring	2 nd Semester 2 nd Year B.ARCH Core studio; Integrative Design, Cornell University, Cornell AAP, Dept of Architecture
2013, Fall	Invited seminar lecturer, <i>Micro Materialities/Macro Forms: Art Practice and the Culture of Nano Science</i> , Prof. Stephanie Owens, Dept of Art, Cornell AAP
2013, Fall	3 rd Semester M.ARCH 1 Graduate Core Studio, “Dynamics and Form: Skate Park Theatre”, Studio Coordinator, Cornell University, Cornell AAP, Dept of Architecture
2013, Fall	Elective Seminar, “Special Topics in Construction: Digital Ceramics”, Cornell University, Cornell AAP, Department of Architecture
2013, Spring	Upper Level Option Design Studio, “Serpentine Bodies”, Cornell AAP, Department of Architecture
2012, Fall	Elective Seminar, “Special Topics in Construction: Bio-Inspired Materials and Design”, Cornell AAP, Department of Architecture
2012, Fall	3 rd Semester M.ARCH 1 Graduate Core Studio, “Data and Form: Archive and Library InformationScapes”, Studio Coordinator, Cornell University, Cornell AAP, Dept of Architecture
2012, Spring	Elective Seminar, “Special Topics in Construction: Digital Ceramics”, Cornell University, Cornell AAP, Department of Architecture
2011, Fall	3 rd Semester M.ARCH 1 Graduate Core Studio, “Bathhouse Ecologies”, Cornell University, Cornell AAP, Dept of Architecture
2011, spring	1 st Year Design Studio, ARCH 502, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2010, fall	Elective Seminar, “Nonlinear Systems Biology and Design”, ARCH 745, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2010, summer	333 Studio w/ Ferda Kolatan and Andrew Kudless; Boardwalk & Sculpture Park; “Event Surfaces at Multiple Scales: Parametricizing and Weaving the Space Between”, California College of the Arts, Architecture Program
2010, spring	Elective Seminar, “Digital Ceramics: Experiments in Design Techniques”, ARCH 742, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2010, spring	1 st Year Design Studio, ARCH 502, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2009, fall	Elective Seminar w/ Peter Lloyd Jones, “Nonlinear Systems Biology and Design”, ARCH 745, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2009, spring	Elective Seminar, “Experiments in Design Techniques: Textile Hierarchies”, ARCH 741, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2009, spring	ARCH 999, Independent Study with Joshua Freese and Shuni Feng, “Nonlinear Systems Biology and Design: Networking”, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2008-09	Thesis Advisor, Graduate Thesis Committee, “Phenotypic Building Skins” by Erica Savig, M.ARCH candidate 09’, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2008, fall	1 st Year Design Studio, ARCH 501, University of Pennsylvania, School of Design, Graduate Dept of Architecture

2008, fall	Elective Seminar w/ Peter Lloyd Jones, "Nonlinear Systems Biology and Design", ARCH 745, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2008, fall	ARCH 999, Independent Study with Misako Murata, "Biosynthesis and Surface Design: Deployable Structures", University of Pennsylvania, School of Design, Graduate Dept of Architecture
2008, spring	3 rd Year Research Studio w/ Cecil Balmond, ARCH 704, "Portal Pavilion," University of Pennsylvania, School of Design, Graduate Dept of Architecture
2008, spring	Elective Seminar, "Experiments in Design Techniques: Textile Hierarchies", ARCH 741, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2008, spring	ARCH 999, Independent Study with Erica Savig, "Biosynthesis and Motility", University of Pennsylvania, School of Design, Graduate Dept of Architecture
2008, spring	ARCH 999, Independent Study with Jonathan Asher, "Biosynthesis and Networking", University of Pennsylvania, School of Design, Graduate Dept of Architecture
2007 - 08	Thesis Advisor, Graduate Thesis Committee, " <i>Infrastructure, Ecology, & Geometry – Can an Indigenous architecture utilizing fractal geometry patterns and maximizing ecological conditions be utilized in the rapidly expanding West African city of Accra, Ghana? How can infrastructure & architecture grow simultaneously to provide immediately livable space?</i> " by LaToya Nelson, M.ARCH candidate 08', University of Pennsylvania, School of Design, Graduate Dept of Architecture
2007, fall	Elective Seminar w/ Peter Lloyd Jones, "Nonlinear Biosynthesis", ARCH 745, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2007, fall	1 st Year Design Studio, ARCH 501, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2007, summer	Lecturer, Cell Biology workshop, Institute for Medicine and Engineering, School of Medicine, Dept of Pathology, University of Pennsylvania
2007, spring	Elective Seminar, "Textile Hierarchies", ARCH 736, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2007, spring	3 rd Year Research Studio w/ Cecil Balmond, ARCH 704, "Nanotech," University of Pennsylvania, School of Design, Graduate Dept of Architecture
2006, fall	1 st Year Design Studio, ARCH 501, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2006, fall	Elective Seminar w/ Cecil Balmond, "Form and Algorithm", ARCH 743, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2006, spring	3 rd Year Research Studio w/ Cecil Balmond, ARCH 704, "Instrumenting a Plan for Complexity: Hospital-River-Campus-City," University of Pennsylvania, School of Design, Graduate Dept of Architecture
2006, spring	Visual Studies Seminar, ARCH 521, University of Pennsylvania, School of Design, Graduate Dept of Architecture
2006, spring	ARCH 999, Independent Study with John Christopher Young, "Parametric Solutions for affordable Row Housing in Philadelphia", University of Pennsylvania, School of Design, Graduate Dept of Architecture
2005, fall	1 st Year Design Studio, ARCH 501, University of Pennsylvania, School of Design, Graduate Dept of Architecture

LECTURES

Public Lectures

Sept – 2017	Invited and nominated Keynote Speaker, US Frontiers of Engineering Symposium, National Academy of Engineering; "Applications of Insights from Biology and Mathematics to the Design of Material Structures", United Technologies Research Center, September 25-27, 2017.
March-2017	Invited Public Lecture, Matter Design Computation: <i>Biosynthesis and New Paradigms of Making</i> , CU Boulder Visiting Artist Program.
June-2016	Invited Public Lecture, "Matter Design Computation: Cells, Bits and Atoms", Cooper Hewitt Smithsonian Design Museum, Game Changers Lecture Series , New York, New York.
May-2016	Invited Lecture, "Matter Design Computation: Cells, Bits and Atoms", Cornell University annual Board of Trustees meeting, Cornell University.
April-2016	Invited Public Lecture, "Matter Design Computation: Cells, Bits and Atoms", MIT School of Architecture + Planning, Architecture and Building Technology Series , Cambridge, MA.
April-2016	Invited Public Lecture, "Matter Design Computation: Cells, Bits and Atoms", Kent State University, College of Architecture & Environmental Design, Kent, OH.
March-2016	Keynote, the Architecture Colloquium on the trans-disciplinary nature of architecture, Architecture Student Association at McGill University, Montréal, Canada
March-2016	Invited Public Lecture, "Matter Design Computation: Cells, Bits and Atoms", University of Toronto, John H. Daniels Faculty of Architecture , Landscape, and Design, Toronto, CA.
March-2016	Invited Public Lecture, "Matter Design Computation: Cells, Bits and Atoms", The Bartlett School of Architecture International Lecture Series , London, U.K.
Oct – 2015	Invited Public Lecture, "Matter Design Computation: Cells, Bits and Atoms", Rensselaer Architecture (RPI), Troy, NY
Oct – 2015	Invited Public Lecture, "Matter Design Computation: Cells, Bits and Atoms", Georgia Tech College of Architecture, Atlanta, GA
June – 2015	Invited lecture, "Between Architecture & Science: Elasticity and Networks", Städelschule Architecture Class , Frankfurt, Germany
June – 2015	Invited lecture, "Matter Design Computation: Cells, Bits and Atoms", Tunghai University , Dept of Architecture, Taichung, Taiwan
Feb – 2015	Invited lecture, "Between Architecture & Science: Elasticity and Networks", Oak Ridge National Laboratory , Tennessee
Feb – 2015	Invited lecture, "Between Architecture & Science: Elasticity and Networks", Church Lecture Series, University of Tennessee, Knoxville

Feb – 2015 Invited Public Lecture, “Between Architecture & Science: Elasticity and Networks”, **SALA Lecture series, UBC, Vancouver B.C.**

Jan – 2015 Annual Workshop and Lecture, NSF EFRI ODISSEI Workshop, “EFRI-ODISSEI: Cutting and Pasting - Kirigami in Architecture, Technology, and Science”, Florida International University, Miami, FL

Nov – 2014 Public Invited Lecture, **The New How Series: Material Computation w/ Achim Menges & Jenny Sabin** in conversation with **Alejandro Zaera-Polo, Axel Kilian + others ; Princeton School of Architecture**, Princeton University, Princeton, NJ

Nov – 2014 Joint lecture, Sabin, Kamien, Yang; “Cutting and Pasting - Kirigami in Architecture, Technology, and Science”; with composer Gene Coleman, Philadelphia, PA

Nov – 2014 Invited lecture, “Crafting the Pliable Plane: Elasticity and Networks”, The Hammerschlag Design Series, Lehigh University

October-2014 Awardee Lecture, “Crafting the Pliable Plane: Elasticity and Networks”, ACADIA 2014, Design Agency, USC, Los Angeles, CA

October-2014 Invited speaker, Syracuse COE, Center of Excellence; 14th Annual Symposium – Advanced Building Systems: Integrating Efficiency, Quality and Resiliency; “Adaptive Architecture: Nonlinear Nano-to-Micro Scaled Material Properties and Effects at the Human Scale”; Syracuse University, NY

October-2014 Invited lecture, “**Medicine + Multi-Scalar Design**”, **Extreme Collaborations in Medicine + Design, Design Philadelphia 2014**, Center for Architecture, Philadelphia, PA

October-2014 Invited lecture, “Elasticity and Networks: Computing BioMatters”, Arriscraft Lecture Series, Waterloo Architecture, University of Waterloo, Cambridge, Ontario, Canada

June – 2014 League Prize Lecture, “Datascapes: Elasticity and Networks”, Architectural League Prize 2014 – Overlay, Parsons, the New School for Design, NY, NY

June – 2014 Invited Lecture, “**Matrix Architecture**”, **Institute for Computational Design (ICD), Uni Stuttgart**, Stuttgart, Germany

June – 2014 Invited Lecture, “**Elasticity and Networks: PolyMorph & related Spatial Prototypes**”, Penn Paris program, **Frac Centre, Orléans, France**

April-2014 Invited speaker and participant, “The productive problem of scale: hypothesis & measure vs. translation & transformation”; **symposium: What does it mean to do an experiment? CITA & School of Design, The Royal Danish Academy of Fine Art**, Copenhagen, Denmark

April – 2014 Invited Public Lecture, “Matrix Architecture”, **ARCHITALX International Series, Portland Museum of Art**, Portland, Maine

April-2014 **Keynote, “Elastic Matters: The Role of Simulation and Visualization in Trans-disciplinary Research**”, Simulation for Architecture and Urban Design (SimAUD), Tampa, FL

March – 2014 Invited speaker and participant; “Narratives and Design Studies: A Task of Translation”, Parsons, The New School for Design

Feb-2014 Invited speaker and participant; J. Irwin Miller Symposium, “**Digital Post-Modernities: From Calculus to Computation**”; **Yale School of Architecture, organized by Mario Carpo**; with Alisa Andrasek, Paola Antonelli, Benjamin Aranda, Phillip Bernstein, Brennan Buck, Mario Carpo, Lise Anne Couture, Peggy Deamer, Peter Eisenman, Michael Hansmeyer, Mark Foster Gage, Charles Jencks, Mathias Kohler, Sanford Kwinter, Jennifer Leung, Greg Lynn, Brian Massumi, Frédéric Migayrou, Philippe Morel, Emmanuel Petit, Dagmar Richter, Jenny Sabin, Bernard Tschumi, Michael Young, Alejandro Zaera-Polo

Feb-2014 Invited speaker and participant; “THE NATURE OF PROGRAMMING MATTER — PROGRAMMING MATTER & NATURE”, UC Berkeley, Environmental Design w/ **Sanford Kwinter, Joanna Aizenberg, Peter Testa, Achim Menges, Shu Yang, Maria Paz Gutierrez**

Feb-2014 Invited Public Lecture; **Carnegie Mellon University**, School of Architecture; as part of Eliciting Environments / Actuating Response, a mini-symposium and exhibition focused on emerging design trends that embed adaptive behavior into architectural matter

Nov-2013 Invited Public Lecture; **UT Austin School of Architecture Fall lecture series**, Austin, Texas

Oct-2013 Invited Public Lecture; NJIT School of Architecture Fall Lecture Series, New Jersey

Sept-2013 Invited Public Lecture; Tyler School of Art and Architecture + Temple Contemporary, Temple University

April-2013 Invited lecture, Fiber Science and Apparel Design, Graduate Seminar Series, Cornell University

Nov-2012 Invited Public Lecture as part of the **Bartlett International Lecture Series**, “Matrix Architecture”, Bartlett UCL, London, U.K.

Oct – 2012 Invited Public Lecture as part of **LSU School of Architecture Fall Lecture Series**, LSU, Baton Rouge, Louisiana.

Sept – 2012 Invited Lecture, “Between Architecture and Science: Material Analogs”, Maker Faire 2012, NYC.

June – 2012 Invited Public Lecture, “Matrix Architectures”, as part of the **Synapse Series, Le Laboratoire, artscience labs, Paris, France**

May – 2012 Invited Public Lecture, “Matrix Architectures”, Dept of Architecture & Urban Design, **Estonian Academy of Arts, Tallinn, Estonia**

May – 2012 Invited Public Lecture, “Matrix Architectures”, as part of **Textiles at the Intersection: Architecture, Art, Science**, Rhode Island School of Design (RISD), Providence, RI, USA

April – 2012 Invited Seminar Lecture, Integrated Bioscience Program, Dept of Biology, University of Akron, Akron, Ohio, USA

April – 2012 Invited Public Lecture, “Between Architecture and Science: Material Analogs”; **Synapse Series, Akron Museum of Art**, Akron, Ohio USA

April – 2012 **Invited Visiting Fellow, lecture at the Exploratorium**, San Francisco, CA USA

April – 2012 Invited Public Lecture, Spring Architecture Lecture Series on **Generative Sensing**, Texas Tech University, Lubbock, Texas USA

Nov – 2011 **Keynote Lecture**, “Between Architecture and Science: Material Analogs”; as part of Ambience 11, Where Art, Technology and Design Meet; Boras, Sweden.

- Oct – 2011 Public Lecture, “Between Architecture, Nature and Technology: Material Analogs”; presented in coordination with the *Greenhouse Projects, 5 Takes on an Exhibition*, **American Philosophical Society Museum**, Philadelphia, PA.
- Sept – 2011 Public Lecture, “Between Architecture & Science: Material Analogs”; Lecture presented in coordination with “Blur: Six Artists/Six Designers in Contemporary Practice”, University of the Arts, Philadelphia, PA.
- April – 2011 Public Lecture, “Between Architecture & Science: Material Analogs”, **AAIA Tech Series, Center for Architecture**, NYC, NY.
- April – 2011 Public Lecture for Weaving as Metaphor Lecture Series. Explore the idea of weaving in the cultural landscape through a series of programs inspired by the work of Sheila Hicks. Sabin lectures on her own work within the topics of weaving and architecture and computation. **Institute of Contemporary Art (ICA) Philadelphia**.
- April – 2011 **American Society for Investigative Pathology (ASIP) Annual Meeting at Experimental Biology 2011 in Washington DC**. Sabin’s lecture, titled, “LabStudio: Investigating Imaging at the Intersection between Biomedicine and Architectural Design”, was part of the workshop titled, **Trends in Experimental Pathology: Imaging of Model Organisms/Experimental Trends - “Brave New World”**, organized and chaired by John Tomaszewski and Anant Madabhushi. The specific section focused on Architectural Analysis from the Macro to the Micro.
- Jan – 2011 Public Lecture, “Between Architecture & Science: Material Analogs”, **AAIA Tech Series, Center for Architecture**, Philadelphia.
- Dec – 2010 Seminar Series Lecture, “Generative Architecture”; course by Shane Williamson; John H. Daniels Faculty of Architecture, Landscape, and Design, **University of Toronto**, Ontario, Canada
- Nov – 2010 Public Lecture for Fall Architecture Lecture Series, “Matrix Architecture”, **Cornell University**, Ithaca, NY, USA
- Oct – 2010 Public Lecture by invitation, “Digital Ceramics: Crafts-based Media for Novel Material Expression & Information Mediation at the Architectural Scale”, *ACADIA 2010 Life in:Formation*, New York, NY, USA
- March – 2010 Public Forum Lecture by invitation, **Penn Humanities Forum on Connections**, “Nonlinear Systems Biology and Design: LabStudio”, University of Pennsylvania, Philadelphia, PA, USA
- March – 2010 Public Lecture, “Bodies, Buildings and Cells: Context Matters”, **MIT Architecture and Media Lab**, Cambridge, MA, USA
- March – 2010 Penn Interactive Media Colloquium, **Wharton Interactive Media Initiative (WIMI)**, “Nonlinear Systems and Design”, Wharton School of Business, University of Pennsylvania
- Oct – 2009 **Keynote** Lecture/Invited Paper, “Code, Context and Perception: Matrix Architecture and the Architect Weaver”, **ACADIA 09: reForm()**, Chicago, IL, USA
- Oct – 2009 **Keynote** Lecture, “Nonlinear Systems Biology and Design”, joint lecture by Sabin+Jones at the “**What is Human**” conference at the University of Wisconsin-Madison, WI, USA
- Sept – 2009 Public Lecture for **CCA Fall Lecture Series** (included in series: Sheila Kennedy, Jenny Sabin, David Gissen, Bernard Tschumi, Paul Lewis, Alejandro Zaera-Polo), “BioMaterial Invasions and other Acts of Interdisciplinary Fray”, California College of the Arts, CCA, Fall Lecture Series 2009, San Francisco, CA, USA
- Sept – 2009 Public Lecture, inaugural event for the new School of Architecture, **University of Puerto Rico, Ponce**. Participants include William MacDonald, Evan Douglas, Karl Chu, Jenny Sabin, Tom Wiscombe + others.
- August-2009 Panel Discussion, “Generative Fabrication and Biologic Art and Design Galleries”, **Siggraph 09**, New Orleans, LA, USA
- July – 2009 Public Lecture, “BioMaterial Invasions and other Acts of Interdisciplinary Fray”, **SOM New York Office**, PDC 2009 Lecture Series, NY, NY, USA
- June – 2009 Lecture in PennDesign Paris program, “Non-Standard? Generative and Parametric Design in Paris and Beyond”, **UPenn Paris Study Abroad Program, Paris, France**
- April - 2009 Public Lecture, “BioMaterial Invasions and other Acts of Interdisciplinary Fray”, **AIR, Artist in Residence**, Visualization Department, Texas A&M University, College Station, TX
- April – 2009 Public Lecture, “Matrix Architecture”, **Smart Geometry Workshop and Conference**, San Francisco, CA
- Feb – 2009 Public Lecture, “Cellness” **Algorithmic Design Research Group** Lecture Series, Dept of Architecture, **Columbia University**, NY, NY, USA
- December – 2008 Public Lecture. “Cellness”, **Computation Group Lecture Series, Dept of Architecture, MIT**, Cambridge, MA USA
- November – 2008 Public Lecture. “On Collaboration”, **LUCID** New York, NYC, NY USA
- November – 2008 Public Lecture. “New Work”, **School of the Art Institute of Chicago (SAIC)**, Visiting Artists Program, Chicago, IL, USA
- October – 2008 Public Lecture. “Nonlinear Systems Biology and Design: Surface Design”, *Concepts of Nature and Technology/Biomimetics*, **ACADIA 2008 Silicon + Skin: Biological Processes and Computation**, Minneapolis, MN, USA
- August – 2008 Public Lecture. “Cellness”, Complexity panel, **Siggraph Evolve 2008, Design and Computation Galleries**, Los Angeles, CA, USA
- April – 2008 Public Lecture. “Nonlinear Biosynthesis: Surface Design, Motility, Networking”, Annual UPenn Pathology Retreat, **College of Physicians of Philadelphia**, Philadelphia, PA, USA
- April – 2008 Public Lecture. “Nonlinear Biosynthesis: Surface Design, Motility, Networking”, Nonlinear Systems Organization Annual Conference: **Nonlinear Fabrication**, University of Pennsylvania, School of Design, Philadelphia, PA, USA
- January – 2008 Public Lecture. “Integrate: Sabin and Jones”, Terms of Engagement Symposium, University of Pennsylvania, School of Design, Philadelphia, PA, USA
- Nov - 2007 Public Lecture. “Nonlinear Biosynthesis: Surface Design, Motility, Networking”, **NYC Design Computation Group**, SOM, New York, New York, USA
- Nov – 2007 Public Lecture. *Frozen Architecture Meets Dynamic Architecture*, “New work from LabStudio: Motility, Surface Design, Networking”, **Esther Klein Gallery**, University City Science Museum, Philadelphia, PA, USA
- Oct – 2007 Public Lecture. “Making Rules so that you can break them,” 1st Year Graduate Studio, University of Pennsylvania, School of Design, Graduate Dept of Architecture
- Sept – 2007 Public Lecture. “Code and Context,” **Aesthesis Symposium**, University of Southern Illinois, Carbondale
- April – 2007 Public Lecture. “Nonlinear Design,” **Association of Collegiate Schools of Architecture, 95th ACSA Annual Meeting: Fresh Air**, Philadelphia, PA
- Feb - 2007 Public Lecture. “Bits, Recipes and Woven Form,” **College of Architecture, Illinois Institute of Technology**, Chicago, IL

- Jan – 2007 Public Lecture w/ Chuck Hoberman. “Architecture in a Parametric Age: Changeable Form,” **Smart Geometry Conference**, Cooper Union, NY, NY
- Jan – 2007 Public Lecture. “Architecture in a Parametric Age: On Research and Practice,” **Smart Geometry Academic Conference**, Columbia University, NY, NY
- Oct – 2006 Public Lecture. “Bits, Recipes and Form,” 1st Year Graduate Studio, University of Pennsylvania, School of Design, Graduate Dept of Architecture

Invited Guest Critic

- Dec – 2015 Graduate School of Design, Harvard University USA, Achim Menges Final Studio review
- Dec – 2014 Graduate School of Design, Harvard University USA, Achim Menges Final Studio review
- Sept – 2014 Thesis Reviews, Sci-ARC, Los Angeles, CA USA
- May – 2014 MDes Program, Final Reviews, Graduate School of Design, Harvard University USA
- April – 2013 Graduate School of Architecture, Columbia University, NY, NY, USA
- March – 2012 Dept of Architecture Thesis Reviews, School of Design, University of Pennsylvania, Philadelphia, PA USA
- May – 2011 EPFL Graduate School of Architecture, Lausanne, Switzerland
- April – 2011 Harvard Graduate School of Design, Cambridge, MA, USA
- Jan – 2011 Graduate School of Architecture, Columbia University, NY, NY, USA
- May – 2009 EPFL Graduate School of Architecture, Lausanne, Switzerland
- November-2008 School of the Art Institute of Chicago, Chicago, IL, USA
- May – 2007 Graduate School of Architecture, Columbia University, NY, NY, USA
- April – 2007 School of Architecture, Yale University, New Haven, CT, USA
- Feb – 2007 College of Architecture, Illinois Institute of Technology, Chicago, IL, USA
- June – 2006 AA DRL, Architectural Association, London, U.K.
- Dec – 2006 MIT Architecture, Massachusetts Institute of Technology, Boston, MA, USA
- Dec – 2006 Graduate School of Architecture, Columbia University, NY, NY, USA
- 2005 School of Architecture, Pratt Institute, NY, NY, USA

BUILT PROJECTS

Architectural Built Projects and Designs Awarded

- 2017 Jenny Sabin Studio’s winning entry **Lumen wins YAP competition for MoMA and MoMA PS1**; on view at MoMA PS1 June 29-September 4, 2017
- 2016 **Jenny Sabin Studio commissioned by Postgreen Homes to design and fabricate the full façade** for a new residential building in North Philadelphia; LightWeb for Arbor House
- Oct – 2016 Jenny Sabin Studio commissioned to design, fabricate, and install the **Beacon, a 21-foot tall interactive structure woven nightly by drones**; **A MEDstudio at Thomas Jefferson University** project and collaboration with Jenny Sabin Studio who leads design. Director, Peter Lloyd Jones; as part of DesignPhiladelphia 2016
- Sept – 2015 Invited Commission, Cooper Hewitt Smithsonian Design Museum; **Beauty—Cooper Hewitt Design Triennial exhibition**; Cooper Hewitt has commissioned Sabin to design and build a new knitted textile pavilion
- Oct – 2014 Invited Designer, projections for annual Beaux Arts Ball, “Craft”, Architectural League of New York, Williamsburgh Savings Bank, NYC
- 2014 - 2015 **Sabin commissioned to design and fabricate façade accent panels, a network of front entry railings and public street furniture for a new 31-unit housing development** in the Francisville neighborhood of Philadelphia, PA; **won by competition**; in collaboration with ISA Architects
- 2013 Sabin commissioned to design a new knitted structure for Temple Contemporary as part of their annual designer in residence program; Temple Contemporary in collaboration with Knit Lab, Temple University
- 2013 Sabin commissioned to design and build a 52’ long knitted and inhabitable structure for **Nike FlyKnit Experience**; **opened February 20, 2013, Luckenwalder Str. 4-6, Berlin, Germany.**
- 2012 **Sabin selected as 1 of 6 International Innovators by Nike Inc. to join the International Nike FlyKnit Collective**; Sabin designs and builds innovative pavilion titled myThread for Nike FlyKnit, 276 Bowery, NYC.
- 2011 *The Greenhouse and Cabinet of Future Fossils*, **pavilion greenhouse structure** for the **American Philosophical Society Museum**, Philadelphia, PA, USA
- 2009 *Ground Substance*, in collaboration with Peter Lloyd Jones and LabStudio, *Siggraph 2009 Design and Computation Exhibition: Generative Fabrication*, “featuring work by Greg Lynn/FORM, Aranda/Lasch, Sabin+Jones LabStudio + others
- 2008 *Branching Morphogenesis*, in collaboration with Peter Lloyd Jones and LabStudio, *Siggraph Evolve 2008 Exhibition*, “featuring work by Zaha Hadid, Frank Ghery, Morphosis, Erwin Hauer, Jenny Sabin + others”, Los Angeles, CA, USA
- 2006 *H_edge*, Arup Advanced Geometry Unit, Cecil Balmond, Jenny E. Sabin and PennDesign Graduate Students, installation at Artists Space, NY, NY
- 2004 - *PennBike*, w/ Annette Fierro, research and design for a comprehensive campus-wide network of bicycle parking units and facilities for the University of Pennsylvania campus. Research included interviewing key community members, city officials, bicycle users and bicycle advocacy groups; the production of a book of possible unit, locker and facility types; production of schematic design drawings and site maps and the delivery of formal presentations to the office of the University Architect and the Penn Police Department. This project is ongoing. Philadelphia, PA
- 2000 *House*, Olympic Sculpture Park Site, *Sunday in the Park*, Seattle Art Museum, Seattle, WA, USA

EXHIBITIONS

- Summer-2017 **MoMA & MoMA PS1 Young Architects Program**, exhibition of finalists work and winner of the 2017 program, Lumen by Jenny Sabin Studio; National Museum of Modern and Contemporary Art (MMCA), Seoul, South Korea, International partner project of the Young Architects Program at MoMA
- Summer-2017 **MoMA & MoMA PS1 Young Architects Program**, exhibition of finalists work and winner of the 2017 program, Lumen by Jenny Sabin Studio; Museum of Modern Art, New York, New York.
- Feb-2017 **Mutations-Créations / Imprimer le monde** (Printing the World), Centre Pompidou, Paris France
- Feb – 2016 Cooper Hewitt Smithsonian Design Museum; **Beauty—Cooper Hewitt Design Triennial exhibition**, New York, NY
- July – 2015 **“Smart Flexibility”**, group exhibition curated by **Materfad, Barcelona’s materials center, Disseny Hub Barcelona (DHUB)**, hosted by RMIT, Melbourne, Australia; *Design for impact festival* at RMIT
- Jan – 2015 Group exhibition, **“Data Clay: Digital Strategies For Parsing The Earth”**, **Museum of Craft and Design**, San Francisco, CA
- Dec – 2014 Group exhibition as part of “David Yannaï: Architecture and Genetics”; curated by Eran Neuman, **Tel Aviv Museum of Art**, Tel Aviv, Israel
- Nov – 2014 Invited exhibition, “eSkin: Energy Minimization via Multi-Scalar Architectures: From Cell Contractility to Sensing Materials to Adaptive Building Skins”, solo opening exhibition, MatLab, PennDesign, University of Pennsylvania
- Sept – Dec 2014 “Intimate Cosmologies: The Aesthetics of Scale in an Age of Nanotechnology,” curated exhibition, Cornell Council for the Arts, Cornell University, Ithaca, NY
- March – 2014 “Jenny E. Sabin – Datascapescapes”, Bibliowicz Family Gallery, Milstein Hall, College of Architecture, Art & Planning, Cornell University, Ithaca, NY
- Feb – 2014 Group Exhibition, School of Architecture; as part of Eliciting Environments / Actuating Response, a mini-symposium and exhibition focused on emerging design trends that embed adaptive behavior into architectural matter, Carnegie Mellon University
- July – Nov 2014 **“Smart Flexibility”**, group exhibition curated by **Materfad, Barcelona’s materials center, Disseny Hub Barcelona (DHUB)**, Barcelona, Spain
- Sept – 2013 **Archilab 2013, Naturalizing Architecture**; invited exhibition participant; 9th Edition, September – February 2014, **FRAC, Orleans, France**.
- April – 2013 **En Vie/Alive**; invited exhibition participant; **EDF Foundation, Paris France**; curated by Carole Collet
- March – 2013 ACSA 101 New Constellations/New Ecologies, San Francisco, CA; exhibition participant by peer review for the eSkin project, California College of the Arts
- Feb – 2013 *(En)Coding Architecture*, peer review group exhibition as part of conference proceedings on the autonomy of architecture, Carnegie Mellon University, Pittsburgh, PA.
- March – 2012 *The Way Beyond Art: Architecture in the Expanded Field*, California College of the Arts and CCA **Wattis Institute for Contemporary Arts, group exhibition by invitation including work by Robert Smithson, Gordon Matta Clark, Olafur Eliasson**, among others, San Francisco CA.
- Sept – 2011 *Blur: Six Artists/Six Designers in Contemporary Practice*, University of the Arts, Philadelphia, PA.
- April - 2011 **design IMAGING / IMAGINING in the Terrain of Water**; A gallery exhibit featuring drawings and other works by **Narendra Juneja, Ian L. McHarg, Louis I. Kahn, Lawrence Halprin**, and works by current Penn faculty, including **James Corner, Dilip da Cunha, and Jenny Sabin**; <http://terrain.design.upenn.edu/video>
- Dec – 2010 **Working Prototypes: Design, fabricate and test**, Nonlinear Systems Biology and Design Cluster, Design Hub Barcelona (DHUB), Barcelona, Spain
- Oct – 2010 Virtual Public Art Project (VPAP), group exhibition featuring Sabin’s virtual model of *eBraid*, Esther Klein Gallery, Philadelphia, PA USA
- Jan – 2010 suckerPUNCH Exhibition and Collection, featuring *Branching Morphogenesis*, www.suckerpunchdaily.com
- Oct – 2009 **Processing Collection**. A curated selection and exhibition of Processing Software; featuring *Branching Morphogenesis*, curated by Casey Reas and Ben Fry, www.processing.org
- Oct – 2009 **Fertile Ground**, featuring 12 local architecture offices and research units in Philadelphia, IceBox Gallery, Philadelphia, PA USA
- Aug – 2009 **Siggraph 2009 Design and Computation Exhibition: Generative Fabrication**, “featuring work by Greg Lynn/FORM, Aranda/Lasch, Sabin+Jones LabStudio + others
- May – 2009 *1:5:25 Emergent Perspectives*, Slought Foundation, Philadelphia, PA, USA
- May – 2009 **The FAB Show**, Esther M. Klein Art Gallery, Philadelphia, PA, USA
- 2009 - 2010 **Ars Electronica 2009 inaugural exhibition**, featuring Branching Morphogenesis by Jenny E. Sabin in collaboration with Peter Lloyd Jones and LabStudio, Linz, Austria
- Sept - 2008 *H_edge*, Cecil Balmond, ARUP Advanced Geometry, Eric Ellingsen and Jenny E. Sabin, Graham Foundation, Chicago, IL, USA
- Aug - 2008 **Siggraph Evolve 2008 Exhibition**, “featuring work by Zaha Hadid, Frank Ghery, Morphosis, Erwin Hauer, Jenny Sabin + others”, Los Angeles, CA, USA
- April – 2008 **FIBER**, “Sabin, Beesley and Jones, featuring work by PennDesign graduate students”, F.U.E.L. Collection, Philadelphia, PA, USA
- Oct - 2007 *Frozen Architecture Meets Dynamic Architecture*, Klein Gallery, University City Science Museum, Philadelphia, PA, USA
- Sept – 2007 *Aesthesis: the UN Ocular Effect, sensorial experiences*, University of Southern Illinois, Carbondale, IL, USA
- June - 2007 **Connections**, group exhibition including Cecil Balmond, Jenny E. Sabin, Anne Wilson + others at the **Ivan Dougherty Gallery, Sydney, Australia**
- July – 2007 *H_edge*, as part of *The Frontiers of Architecture I: Cecil Balmond*, Cecil Balmond, ARUP Advanced Geometry, Jenny E. Sabin, Louisiana Museum of Modern Art, Copenhagen, Denmark

- July – 2007 **#9 and Weaving Research Work**, as part of *The Frontiers of Architecture I: Cecil Balmond*, Cecil Balmond, Jenny E. Sabin, Louisiana Museum of Modern Art, Copenhagen, Denmark
- Sept - 2006 **Hedge**, Cecil Balmond, ARUP Advanced Geometry, Jenny E. Sabin, **Artists Space**, New York, NY, USA
- March – 2006 *PennBike, exhibition of design drawings*, University of Pennsylvania Office of Facilities and Realstate, Philadelphia, PA, USA
- Nov – 2005 *PennBike, exhibition of design drawings*, University of Pennsylvania Graduate Student Center, Philadelphia, PA, USA
- 2000 *Sunday in the Park*, invited artist, Olympic Sculpture Park, Seattle Art Museum, Seattle, WA, USA
- 2000 *Home*, Soil Gallery, Seattle, WA, USA
- 2000 *Shells and Interiors*, solo exhibition, Madrona Automatic Inc. Gallery, Seattle, WA, USA
- 1999 *Phresh*, Northwest Art Council, (juror: Trevor Fairbrother, Curator of Modern Art, Seattle Art Museum), Seattle, WA, USA
- 1998 *Jenny Sabin: Thesis Exhibition*, solo exhibition, Ceramic and Metal Arts Gallery, University of Washington, Seattle, WA, USA

PERMANENT COLLECTIONS

- 2017 PolyBrick 1.0, PolyBrick 2.0, PolyBrick 3.0, Sabin Design Lab and Jenny Sabin Studio, 2017; **Permanent Collection, Centre Pompidou**
- 2016 **Digital Ceramics: PolyMorph**, Jenny Sabin Studio, 2015; **Permanent Collection, Centre National des arts plastiques, French National Contemporary Art Collection**; drawings, molds, and prototypes
- 2014 **Digital Ceramics: PolyMorph**, Jenny Sabin Studio, 2013; **Permanent Collection, FRAC Centre, Orleans, France**; 1400 digitally produced and hand cast ceramic components interwoven and tensioned to form a large spatial structure; produced for the 9th ArchiLab titled *Naturalizing Architecture*, FRAC Centre, Orleans, France
- 2014 eSkin Prototype; Permanent Collection, Frac Centre-Val de Loire; collaborative research design prototype and documentation
- 2013 Drawings and models for *PolyMorph*, Jenny Sabin Studio, 2013; Permanent Collection, Exploratorium, San Francisco, CA

PUBLICATIONS

Books

- 2017 Jenny E. Sabin and Peter Lloyd Jones, **LabStudio: Design Research Between Architecture and Biology**, (London & New York: Routledge Taylor and Francis, 2017). A book on design research across disciplines through the lens of LabStudio, co-founded by Sabin, an architectural designer and Jones, a cell and molecular biologist.
- 2010 Ferda Kolatan and Jenny E. Sabin, **Meander, Variegating Architecture** (Exton: Bentley Publications, 2010). A book on parametric and algorithmic design strategies in research, teaching and practice.

Book Chapters & Contributions

- 2014 Jenny E. Sabin & Peter Lloyd Jones, "Elasticity & Networks: Design Computation Tools for Architecture & Science", in **Paradigms in Computing – Making, Machines, and Models for Design Agency in Architecture**, ed. David Jason Gerber & Mariana Ibanez, (Los Angeles: eVolo Press, 2014), Chapter essay by invitation, 257-276.
- 2014 Jenny E. Sabin, "**Geometry of Pure Motion: Buckminster Fuller's Search for a Coordinate System Employed by Nature**", in *The Language of Architecture: 26 Principles Every Architect Should Know*, ed. Andrea Simitch & Val Warke, (Beverly: Rockport Publishers, 2014), 190.
- 2013 Jenny E. Sabin, "Branching Morphogenesis, 2008", in *Architecture in Formation*, ed. by Pablo Lorenzo-Eiroa and Aaron Sprecher, (London/New York: Routledge / Taylor & Francis, 2013), 172-176.
- 2013 Jenny E. Sabin and Peter Lloyd Jones, "Nonlinear Systems Biology and Design: Surface Design", in **Critical Concepts in Architecture: Digital Architecture**, ed. by Mark Burry, (London/New York: Routledge / Taylor & Francis, 2014).
- 2013 Jenny E. Sabin, "**Matrix Architecture**", in *Inside Smart Geometry*, ed. by Terri Peters and Brady Peters, (Chichester: John Wiley & Sons Ltd, 2013), 60-71. Chapter essay by invitation.
- 2012 Jenny E. Sabin, "Geometry in Transformation: Computing Mind and Matter", in **Anne Tyng: Inhabiting Geometry**, ed. by Ingrid Schaffner, Srdjan Jovanović Weiss, and William Whitaker, (Philadelphia: ICA & Graham Foundation, 2011), 93-97. Chapter essay by invitation.

Profiles – written by others on Sabin's work

- 2017 Parker, Melanie Jane. "**Jenny Sabin: The Artist Behind MoMA's PS1's 'Lumen' Exhibit**", Flaunt Magazine, July 28, 2017.
- 2014 Palmer, Katie. "**Shape Shifter – Jenny Sabin Creates Art from Science**", Wired Magazine, November 2014, 37.
- 2014 Kats, Anna. "**New Talent – 10 Designers Charting New Territories**", Metropolis, 67 – 70, October 2014.
- 2014 Peters, Terri. "**Skin Deep – Collaborating with a team of scientists at two American universities, Jenny E. Sabin attempts to make buildings respond, visually and sustainably to human presence**", Azure, pages 70 – 73, September 2014.
- Nov – 2009 Peters, Terri, "**Jenny Sabin Draws Connections Among Computer Science, Architecture and Cellular Biology**", Mark Magazine, "Portrait Section", #23 Nov/Dec 2009, pp. 200-205.

Books, Articles, Essays and Reviews by others – featuring Sabin's work

- 2017 Yuen Yiu, "The Power Of Kirigami: From architects to nano-engineers, people are exploring the geometries within the ancient art of papercutting to find their next big idea", Inside Science, April 28, 2017.
- 2016 Blaine Brownell, "A Tipping Point for Art and Design in the Digital Age", Architects Magazine, September 29, 2016.

- 2015 Ila Berman & Douglas Burnham, *Expanded Field: Installation Architecture Beyond Art*, (Prescott: Peregrine Book Company, 2015).
- 2015 Blaine Brownell and Marc Swackhamer, *Hypernatural: Architecture's New Relationship with Nature*, (Princeton: Princeton Architectural Press, 2015).
- 2015 J. Anderson & L. Schoenthaler, "Materializing the Digital Realm" Chapter 12. *Textile Technology and Design: From Interior Space to Outer Space*, (London: Bloomsbury Publishing, 2015).
- 2014 Yelavich, Susan. Contribution to *Codigo, Arte – Arquitectura, Diseno*, August 2014, #84, Mexico City, Mexico
- 2014 Alicia Imperiale, "Stupid Little Automata", *Architecture and Culture*, Volume 2, Number 2, (2014): pp. 261-282(22), Bloomsbury Journals.
- 2014 Susan Yelavich & Barbara Adams, *Design as Future-Making*, (New York: Bloomsbury, 2014).
- 2013 **Brayer, Marie-Ange & Migayrou, Frederic, Naturalizing Architecture**, published on occasion of the 9th ArchiLab, pages 28-29, 142-145, FRAC Centre, Orleans, France, 2013
- 2013 Clark, Liat. "Growing Shoes and furniture: a design-led biomaterial revolution", a review of the exhibition, En Vie/Alive, featuring Sabin's work, **Wired U.K.**, August 13, 2013; <http://www.wired.co.uk/news/archive/2013-08/16/biomaterial-revolution>
- 2013 Bill Millard, "Matters of Substance", *The Architect's Newspaper*, February 6, 2013, pages 10-12.
- 2013 Daniel Siwek, "Nike 'FlyKnit' Collective", *SOMA, Art & Design Issue*, Volume 271, Jan/Feb 2013, pages 30-32.
- 2013 Maria Paz Gutierrez & Luke P. Lee, "Multiscale Design and Integration of Sustainable Building Functions", *Science* 341 (2013): 247.
- 2013 **Hod Lipson & Melba Kurman, Fabricated, the New World of 3D Printing**, (New York: John Wiley and Sons, 2013) 186-187.
- 2013 Sue Ann Prince, ed. *Of Elephant & Roses, French Natural History 1790-1830*, (Philadelphia: American Philosophical Society, 2013), pages XI-XII. Excerpt on Sabin's Greenhouse
- 2013 Limerick, Rebecca, "The Gallery", review of myThread Pavilion in the Transcendence Issue, NO15 Magazine, Vol. V, Feb. 2013, <http://issuu.com/no15magazine/docs/vol5>.
- 2012 Myers and Antonelli, *Bio Design: Nature. Science. Creativity*, (New York: Thames & Hudson Ltd., 2012).
- 2012 Rabagliati & de Kestelier, "Working Prototypes. Design, Fabricate and Test! Smart Geometry 2010", in **Fabvolution Developments in Digital Fabrication**; featuring Nonlinear Systems Biology and Design, pages 155-175; Ajuntament de Barcelona. Institut de Cultura – Disseny Hub Barcelona, Barcelona, 2012.
- 2012 Girkins, Stella. "Artist Jenny Sabin on the Nike FlyKnit Collective & Its Revolutionary Shoe", *Bullett Magazine*, October 4, 2012, <http://bulletmedia.com/article/nike-flyknit-collective/>
- 2012 Nolin, Maggie. "Nike FlyKnit: Innovating Design", in *Dwell*, October 2, 2012; <http://www.dwell.com/post/article/nike-flyknit-innovating-design>
- 2012 Breslin, Yale. "**Jenny Sabin: Art, Architecture, Design and Science**", in *Life + Times*, October 1, 2012; <http://lifeandtimes.com/jenny-sabin-art-architecture-design-and-science>
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