GRUTER INSTITUTE FOR
LAW AND BEHAVIORAL RESEARCH

Interdisciplinary Insights into
Innovation and Growth:
From Systems Biology to Macroeconomics

Squaw Valley Conference

May 21-25, 2017

Organizers:

Monika Gruter Cheney, J.D.
Gruter Institute for Law & Behavioral Research

Oliver Goodenough, J.D.
Vermont Law School

Andrew Torrance, J.D., Ph.D.
University of Kansas School of Law

Co-Sponsors:

Ann & Gordon Getty

PlumpJack Squaw Valley Inn, Olympic Valley, California
Interdisciplinary Insights into Innovation and Growth: from Systems Biology to Macroeconomics

Over the past few years, one of the principle targets of examination at the annual Gruter Institute conference has been a multi-disciplinary discussion of questions of innovation and growth, whether in organisms, ecosystems, or human societies. This year, we are continuing those discussions, but with a particular lens on the systems level. Law, biology, and economics are all concerned with systems level effects and interactions. How do organisms set and maintain homeostasis? What leads a system to be more robust versus more fragile? How do groups manage conflict to work toward common goals? How is information created and communicated across systems? We believe examining these questions from a variety of disciplines, from systems biology, to anthropology to macroeconomics, will deepen our understanding across the board. To this end, we welcome our conference participants, new and returning, to join us in discussing a wide variety of topics. Subjects initially thought to be outliers often turn out to be sources of intellectual inspiration and learning in this conference’s architecture of unintended collisions.

Sunday, May 21st:  Afternoon: Arrival

6:00  Reception and Dinner – Valley Room

Monday, May 22nd:

Morning Chair: Rebecca Purdom

7:30  Breakfast – Mountain Room

9:00-9:30  Welcome and Introductions
Monika Gruter Cheney, Oliver Goodenough, Andrew Torrance

Table Setting and Cool Developments

9:30-10:45  State of Play in Macroeconomics
Kevin McCabe, Brian Mannix, Amar Bhide

10:45-11:00 Break

11:00-11:20  New Developments in Data Science
Dan Katz

11:20-12:15  New Developments in Regulatory Theory
Susan Dudley, Gillian Hadfield

12:15-1:15 Lunch – Valley Room

Afternoon Chair: Andrew Torrance

1:15-2:15  New Developments in Biology: Primatology
Isabel Behncke, Tamás David-Barrett

2:15-2:30 Break

2:30-3:30  New Developments in Biology: Synthetic and Cancer Biology
Andrew Torrance, Amato Giaccia

3:30-4:00  Design Thinking in Law, Regulation and Evolution
Margaret Hagan

4:00  Hikes

6:30  Dinner – Valley Room
Free Innovation – Keynote Speaker, Eric von Hippel
Tuesday, May 23rd:

Morning Chair: Dorothy Glancy

7:30 Breakfast – Mountain Room

8:10-8:30 Breakfast Talks
Dan Katz

8:30-9:00 Innovation, Growth and Stability in Biology and Other Systems
Jonathan Chang

9:00- 11:00 Homologies between Science and Macroeconomics: System Behavior
Pete Richerson, Bobbi Low, Carl Simon, Charles Taylor, Claire Hill, Gordon Getty

11:00-11:15 Break

11:15-12:30 Regulatory Theory and Goals
Susan Dudley, Jennifer Taub, Oliver Goodenough

12:30-1:30 Lunch – Valley Room

Afternoon Chair: Susan Dudley

1:30-1:50 Systemic Mechanisms in Biology and Culture
Pete Richerson

2:00-2:40 Intellectual Property: Does it deliver on its goals? Is it outdated?
Dmitry Karshtedt, Michele Bratcher Goodwin

2:40-3:00 Break

3:00-3:40 Intellectual Property, Cont.
Andrew Torrance, Dorothy Glancy

3:40-4:00 Power doesn't always corrupt: Sometimes leads to Innovation
Matthew Hutson

4:00 Hikes

6:30 Dinner – Valley Room (Includes Contests of Festivity)

Wednesday, May 24th:

Morning Chair: Monika Cheney

7:30 Breakfast – Mountain Room

8:30-10:15 Ecosystems of Innovation

Panel: Eric von Hippel, Tamás David-Barrett, Andrew Torrance, Victor Hwang, Evan Absher, Monika Cheney

10:15-10:45 Ecosystems of Innovation: Design Thinking for Creativity
Alex Soojung-Kim Pang

10:45-11:00 Break
11:00-12:00  **Innovation as a Business**  
John Chisholm, Julian Bryant, David Gilmour

12:00-1:00  **Lunch – Valley Room**  
Afternoon Chair: David Gilmour

1:00-2:30  **Computation, Game Theory, Behavior and Law**  
Alexander Stewart, Michael Wellman, Kevin McCabe, Harry Surden

2:30-2:45  Break

2:45-3:45  **Computation, Game Theory, Behavior and Law, Cont.**  
Meng Wong, Mark Flood and Dan Katz

3:45-4:30  **Developments in Law, Legal Education, and Legal Services**  
Jeff Stake, Rebecca Purdom

6:30  Dinner – Valley Room

Thursday, May 25th:

Morning Chair: Oliver Goodenough

7:30  Breakfast – Mountain Room

8:30-10:15  **Biological Perspectives on the Role of Money: A Transmitter and Catalyst; Detachment from Savings; Free Growth?**  
Amar Bhide, Oliver Goodenough, Gordon Getty, Charles Taylor

10:15-10:45  **Future of Work and Leisure**  
Alex Soojung-Kim Pang, Isabel Behncke

10:45-11:45  **Wrap Up and Future Plans**

Box lunches available.

Noon  Departure
Gruter Institute Squaw Valley Conference 2017 – Interdisciplinary Insights into Innovation and Growth

CONFEREE PARTICIPANTS
Evan Absher – Program Officer, Ewing Marion Kauffman Foundation
Isabel Behncke – Cognitive and Evolutionary Anthropology, Oxford University
Amar Bhide – The Fletcher School, Tufts University
Julian Bryant – Startup Weekend Facilitator, iOS App Programer
Jonathan Chang – Ph.D. Candidate, UCLA, Department of Biology and Evolutionary Sciences
Monika Gruter Cheney - Executive Director, Gruter Institute for Law and Behavioral Research
John Chisholm - Software Entrepreneur; Development Committee of MIT Corp.; Board Member Santa Fe Institute
Tamás David-Barrett - Department of Experimental Psychology, University of Oxford
Susan Dudley – Director, The George Washington University Regulatory Studies Center
Mark Flood - Research Principal, Office of Financial Research, U.S. Department of the Treasury;
Senior Partner, ProBanker Simulations
Gordon Getty – Economics and Business, San Francisco
Amato Giaccia – Professor, Department of Radiation Oncology, Stanford University
David Gilmour - Managing Director, Blyth Capital Partners LLC
Dorothy Glancy – Professor, Santa Clara Law
Oliver Goodenough – Professor, Vermont Law School
Michele Bratcher Goodwin – Professor University of California, Irvine School of Law
Gillian Hadfield – Professor, USC Gould School of Law
Margaret Hagan – Professor, Stanford Center on the Legal Profession
Claire Hill - University of Minnesota Law School
Matthew Hutson- Author
Victor Hwang - , Ewing Marion Kauffman Foundation
Dmitry Karsh tedt – Professor, The George Washington University School of Law
Daniel Martin Katz – Associate Professor, Illinois Institute of Technology, Chicago Kent College of Law
Bobbi Low - School of Natural Resources & Environment, University of Michigan
Brian Mannix – Visiting Scholar, The George Washington University Regulatory Studies Center
Kevin McCabe – Professor, Center for the Study of Neuroeconomics, George Mason University
Gerry Ohrstrom - Gruter Institute Board of Directors; Private Investor
Alex Soojung-Kim Pang - Author of Rest: Why You Get More Done When You Work Less
Rebecca Purdom – Fellow with Peripheral Vision International
Pete Richerson – Professor, Division of Environmental Studies, University of California at Davis
Susan Salkind – Stanford Law School, CodeX
Carl Simon - Mathematics, Economics, Public Policy, University of Michigan
Jeffrey Stake – Professor, Indiana University Maurer School of Law
Alexander Stewart - Royal Society University Research Fellow, Dept. of Genetics, Evolution and the Environment, University College London
Harry Surden – Professor, University of Colorado Law School
Jennifer Taub- Professor, Vermont Law School
Charles Taylor – Visiting Scholar, The George Washington University School of Law
Andrew Torrance – Professor, University of Kansas School of Law; Research Associate, Biodiversity Institute; Visiting Scholar in Behavioral and Policy Sciences, MIT Sloan School of Management
Eric von Hippel - Professor of Management of Innovation and Engineering Systems, MIT Sloan School of Management
Michael Wellman - Professor of Computer Science & Engineering at the University of Michigan
Meng Wong – 2016 Fellow at Harvard’s Berkman Klein Center, 2017 Codex Fellow at Stanford, co-founder Legalese.com