Dear All,

Happy New Year! I hope all had relaxing and rejuvenating breaks.

As we begin this new year, we would like to share with you the first edition of our Science and Justice Research Center Newsletter. Our activities and community have grown to the point where we thought a newsletter might be a good way to get an overview of what we are up to, and a good way to share our and your news.

It has been an eventful and exciting year for us so far. In the summer, our first major article about our Science and Justice Training Program appeared in *PLOS Biology*. The article and our Center gained local and international media coverage. In the fall, we began several new initiatives and campus collaborations, including the imminent launch of a Graduate Certificate in Science and Justice. We also welcomed several new members to the Center including award-winning science journalist, Sally Lehrman, UC Presidential Post-Doc James Battle and our visiting Science and Justice Fellows and Scholars. We are happy to host winter term international visitors Javier Aguirre and Rachel Tillman, both philosophers from Universidad Industrial of Santander, Colombia, and Aristea Fotopoulou a Post-Doc in Media and Film at the University of Sussex, England.

Our Science and Justice Working Group began the year with a visit from Joanna Radin (Yale, Department of History). Radin engaged us in a fascinating discussion of what happens when biological tissues in freezers take on different ethical meanings over time. See our interview with Joanna in the newsletter for more insights on this topic of Thawing Justice. Early in November we hosted the third meeting of the Bay Area Intercampus Workshop on Interdisciplinarity, Transacademics: Making Use of Interdisciplinary Research Methods Outside of the Academy. Scholars from Stanford, UC Berkeley, UC San Francisco, joined members of our Center here at UC Santa Cruz to discuss how to accomplish interdisciplinary inquiry from positions that are both inside and outside of the traditional university setting. We shared insights from our own work and
institutions, as well as invited back one of our founding members of the Science and Justice Working Group, Natalie Purcell, to talk to us about how she is applying interdisciplinary training in her current position as Director of Patient-Centered Care at the Veterans Administration Hospital in San Francisco. UC Berkeley has kindly offered to host the next annual meeting. In mid-November, award-winning science journalist and Science and Justice Professor Sally Lehrman led a working group meeting on Investigative Justice. She discussed what constitutes responsible practices of investigation in journalism, and what we might learn from and with journalism about the challenges of constituting responsible practices of investigation in science. We look forward to continuing these conversations with Sally.

Finally, I want to acknowledge and thank all the many members of our community who took part in our brainstorming sessions on ‘science and justice.’ Because of the number of you wanting to take part, we held two of these, and the room was packed both times. Both sessions were enormously helpful to our efforts to develop what we mean by ‘science and justice,’ and will guide us as we decide how the Center should focus its efforts over the next few years. I will be sharing the results of these sessions soon.

For this upcoming term, we look forward to meeting on January 22 with the incoming President of the American Society of Clinical Oncology, Peter Yu, as well as our very own David Haussler as we open up what will be a series of discussions about Science and Justice in an Age of Big Data. We will also be screening the movie **FIXED: The Science/Fiction of Human Enhancement**, which was created and produced by UCSC Social Documentary alum Regan Brashear. Finally, Science and Justice Fellows Gene A. Felice II, Sophia Magnone and Andy Murray explore a series of meetings titled Justice in the More-than-Human World: Fostering Care and Affinity in Emergent Collaborations. These are just a few of things we have planned. To learn more, of course keep on reading!

Much looking forward to catching up with you all and hope you had a restful winter break,

jenny

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**2013-2014 Science & Justice Themes**

This year, the Science & Justice Research Center is focusing on three themes:

- The Life Informatic
- De/extinction
- Science and Justice: Defining and Emerging Area of Inquiry and Action

*For more information on our Themes, see: SJRC Themes 2013-2014*

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**Featured Event**

**Science and Justice in an Age of Big Data: A Conversation with Peter Yu and David Haussler**

Wednesday January 22, 2014 4:00-6:00PM

Engineering 2, Room 599
Peter Yu, incoming president of the American Society of Clinical Oncology and Director of Cancer Research at the Palo Alto Medical Foundation, will be in conversation with David Haussler (Director of our Center of Biomolecular Science and Engineering and leader of the new Global Alliance for Genomic and Clinical Data Sharing). They will discuss the challenges to conceptions of property and consent as well as to biomedical knowledge production created by recent initiatives to aggregate genomic and clinical data.

For full event information, see: Events
Santa Cruz Sentinel on David Haussler: UCSC researcher leads cancer's digital revolution

Upcoming Events

Human / Non-Human Collaboration Across the Arts & Sciences

Wednesday February 26, 2014 4:00-6:00PM DARC Lab Room 108

As artists and scientists explore non-human relationships, issues of collaboration, ethics, empathy and justice collide and new hybrid relationships emerge. This event will feature presentations of artwork and scientific research that cross pollinate each other, with a focus on human / nonhuman collaboration in the worlds of eco art, bio art, genetic engineering, molecular and marine biology.

Visiting Artist: Amy Youngs (http://hypernatural.com/)
Hosts: Gene A. Felice II & Sophia Magnone
Co-Sponsored by: Digital Arts & New Media, Open Lab and UCIRA

Bioengineering and Meat Cultures

(Friday) February 28, 2014 4:00-6:00PM
Engineering 2, Room 599

Meat grown in a laboratory is being promoted as a response to the harmful effects of “conventional” factory-farmed meat production. However, what makes lab-grown meat appealing as a food source for some provoke what is frequently deemed “the yuck factor” in others. In this event organized by Science and Justice Graduate Fellows Andrew Murray and Sophia Magnone, we will explore the ways humans relate to and intervene in the more-than-human world to feed, clothe, house, and entertain themselves--and the way we respond when these interventions, collaborations, and cultures turn sour.

Speaker: Oron Catts
Hosts: Andy Murray & Sophia Magnone

Schedule and location to be Determined

FIXED: The Science/Fiction of Human Enhancement takes a close look at the drive to be “better than human” and the radical technological innovations that may take us there. What does “disabled” mean when a man with no legs can run faster than most people in the world? What does “normal” mean when cosmetic surgery procedures have risen over 450% percent in the last fifteen years and increasing numbers of people turn to “smart drugs” every day to get ahead at school or work? With prenatal screening able to predict hundreds of probable conditions, who should determine what kind of people get to be born? If you could augment your body’s abilities in any
way imaginable, would you?

Producer, Director and Editor Regan Brashear (UCSC, Social Documentation) and Ruby Rich (Film & Digital Media) will join SJWG for a screening of FIXED and discussion.

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2014-2015 Solicitation for Visiting Scholars, Artists, and Graduate Students

The Science & Justice Research Center offers opportunities for visiting scholars and artists in residence at all levels of their career to join us and participate in our community. SJRC is not an academic department, and so we encourage visitors to identify other members of the university with whom they would like work, for activities such as teaching a seminar, offering an academic talk, or attending courses. We can help facilitate such activities. All applicants are encouraged to look at our past events when developing a proposal for an event—our colloquia have a unique format that may be unfamiliar. Visitors are encouraged to visit for at least one full term, but we will consider shorter visits.

The application deadline for the academic year 2014-2015 is April 1, 2014. Our applications are reviewed by an interdisciplinary advisory board. Application materials can be submitted to scijust@ucsc.edu.

For more information on becoming a visiting scholar, visit: http://scijust.ucsc.edu/who-we-are/visiting-scholars/

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Science & Justice Research Center is pleased to host visiting scholars

Emily York is a Ph.D Candidate in Communication and Science Studies at the University of California, San Diego. Her research explores the formation of a ‘nanoengineering’ identity in the context of a new Department of NanoEngineering and its undergraduate major. Drawing on feminist science studies, cultural studies, and political economy, her work emphasizes the material and discursive practices through which the nanoengineer is produced within and as part of a locus of interrelated values and assumptions about science & engineering, innovation & economics, ‘man’ & ‘nature’, progress, scale, world-making, the future, and the good life.

As a visiting scholar at the Science & Justice Research Center, she has been inspired to work towards formulating her critiques in ways that can open up dialogue with nanoengineers toward the goals of ‘science & justice’. To that end, she is imagining interventions that begin from examples of practices in the current undergraduate curriculum that potentially reduce or foreclose critical engagement with broader questions about the societal and ethical dimensions of nanotechnologies.
These interventions take the form of specific curricular suggestions that can be easily incorporated into the classroom and which position such critical engagement as central to the practices of nanoengineering. Emily's visit was for the Fall 2013 term.

Watch for our next newsletter for more visitor profiles. For more information on becoming a visiting scholar, visit: http://scijust.ucsc.edu/who-we-are/visiting-scholars/

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**Science & Justice Training Program**
**2013-2014 Fellows**

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For more information on the SJTP, visit: http://scijust.ucsc.edu/what-we-do/training/

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**Interview with Thawing Justice speaker**
**Joanna Radin**

Joanna Radin (Yale, Department of History) joined in conversation with SJWG to discuss what happens when biological tissues in freezers take on different ethical meanings over time. What are our responsibilities towards the life immortal? Who is responsible? At this session, we also discussed the recent NIH decision to give the Henrietta Lacks family the right to oversee uses of the HeLa cell line derived from Henrietta Lacks. A recent magazine article by Radin on these topics appear in *Limn*. Our Graduate Student Researcher, Lizzy Hare, interviewed Radin for this newsletter.

**S&J: How does justice matter to scientific practices and knowledge in your own work?**

For the full interview, see: Joanna Radin Interview

Joanna Radin received her PhD in History and Sociology of Science from the University of Pennsylvania. Her research
examines the social and technical conditions of possibility for the systems of biomedicine and biotechnology that we live with today. She has particular interests in the history of biomedical technology, scientific collections, anthropology, public health, humanism, and research ethics.

For more information on the SJWG event Frozen Justice, see: Thawing Justice

4S Annual Meeting

Society for Social Studies of Science

In October, members of the Science & Justice Research Center attended the annual meeting of the Society for Social Studies of Science in San Diego, CA.

Presenters and Topics:

- Jenny Reardon: Race and Science
- Jacob Metcalf: Technosciences of Extinction and De-extinction: Life, Death, Rebirth, and Care in the Anthropocene
- Sally Lehrman: Race, Media and Science
- Emily York: Experts-in-Training: Professional Socialization in Medicine & STEM
- Micha Rahder: How does the State See Itself? Mapping Gobernabilidad in the Maya Biosphere Reserve

For more information on these 4S Presentations, see: 4S 2013