



Sustainability Task Force
Thomas Newman, MD, Chair

ANNUAL REPORT 2012-2013

Primary Focus Points for the Year:

- Adding Sustainability into UCSF Curriculum
- Development of Guidelines for Sustainability for Committee on Academic Personnel
- Increasing Clinical Efficiencies and Cost Efficiencies
- Making Task Force into Permanent Standing Committee of UCSF Academic Senate
- Resolution on Use of Non-therapeutic Antibiotics in Meat/Poultry Through UCSF Food Services

Issues for Next Year (2013-2014)

- Adding Sustainability into Curriculum
- Conference on Using Non-therapeutic Antibiotics in Meat/Poultry Served at Bay Area Hospitals (Led by Bay Area Chapter of the Physicians for Social Responsibility)

2012-2013 Members

Thomas Newman, MD, Chair

Arienne Teherani, PhD, Vice Chair

Robert Gould, MD

Michael Martin, MD

Timothy Mccalmon, MD

Susan Ryan, PhD, MD

Steven Schroeder, MD

Ellen Weber, MD (Representative to the
Chancellor's Advisory Committee on
Sustainability)

Torsten Wittmann, PhD

Number of Meetings: 5

Senate Analyst: Alison Cleaver

Divisional Business

This year, the Academic Senate Sustainability Task Force took up the following issues related to the San Francisco Division:

Adding Sustainability to the UCSF Curriculum

Task Force Vice Chair Arianne Teherani and member Susan Ryan worked together to develop a research project for a student to examine existing curriculum to verify what sustainability practices and highlights already exist. Post-doc student Latifat Apitira is researching SOM curriculum over the 2013 summer. Task Force members will reach out to other schools to see if they're interested in having a student do the same for their respective school.

- **Center for Interprofessional Education and Sustainability**
CIPE Director Scott Reeves and Manager Karen Hamblett presented on the Center and sustainability within it. At present they're still assessing what already exists before creating new programs or courses. Task Force members proposed that within the developing IPE Mission, sustainability (environmental and climate change focus) as it relates to "health and well-being of patients and communities" should be included. Task Force members also suggested combining or linking IPE Day with the Living Green Fairs. IPE Day can also be certified as a Living Green Event as per the Sustainability Office's guidelines.

Development of Guidelines on Sustainability

The Task Force on Sustainability worked with the Committee on Academic Personnel (CAP) throughout the academic year to develop guidelines to promote the inclusion and recognition of sustainability efforts in promotion and tenure process. CAP presented the Guidelines to the Associate Deans of the various schools and the Vice Provost of the Academic Affairs during this year's CAP Retreat. They approved an amended version, which will be included in the Call for Packets for promotion, going out July 1, 2013. ([Appendix 1](#))

Divestment from UC Investing in Fossil Fuels

Task Force members began discussing the creation of a resolution calling for the UC System to divest from investments in fossil fuels. It supported UC Santa Barbara's similar resolution passed in Spring 2013. Task Force members will explore researching what the UC System currently invests in before proposing a likewise resolution in the 2013-2014 academic year. It supports the efforts of the UCOP Committee to explore fossil fuel divestment and will participate in that committee, if possible.

Once UCSF has developed its own resolution, it will go up through the channels for approval including partnering with the UCSF Academic Planning & Budget Committee. This campus committee has a Systemwide counterpart that Sustainability Committees on campus do not. Once UCSF signs off on the resolution, it will be taken up to the Systemwide Academic Planning & Budget committee (UCAPB).

Increasing Clinical Efficiencies and Cost Transparencies

Task Force members discussed working with the Clinical Affairs Committee to develop interdepartmental guidelines around sustainability, partnering with Sustainability Manager Gail Lee and her office. Many of these initiatives the Sustainability Office already works on with the UCSF Medical Center.

The Clinical Affairs Committee is itself examining cost transparencies for patients and clinicians alike. Discussions with Tim Hamill, Vice Chair and Director of Clinical Laboratories at UCSF were unproductive as there are so many different costs based on insurance and payor mix, and some information cannot be shared for propriety reasons. Task Force member Weber is developing a presentation where the APeX could be used to share cost information; at the moment, this is specifically for the Emergency Department. If successful, it can be expanded to other departments.

The SOM Faculty Council as well as the Hospitalists' Committee is also exploring this topic. There are subcommittee groups within these two groups focusing on the topics.

Making Task Force into Permanent Standing Committee of UCSF Academic Senate

Task Force members took the steps through the Academic Senate to convert the Task Force into a permanent standing committee. They created bylaws for the Committee that were approved by the Committee on Rules & Jurisdiction. ([Appendix 2](#))

These bylaws and the proposal were reviewed by the Senate's Coordinating Committee on Spring 2013. The Committee approved both the bylaws and the creation of the permanent standing committee. Both the proposal and bylaws were presented to UCSF faculty-at-large at the Spring Division Meeting. It was unanimously approved. The Task Force will convert to being a permanent standing committee as of September 1, 2013.

Resolution on Use of Non-therapeutic Antibiotics in Meat/Poultry Through UCSF Food Services

Task Force members developed a proposal in conjunction with the Food Services to promote UCSF phase out the purchase and serving of meat or poultry raised on non-therapeutic antibiotics. The final resolution was presented to the UCSF Academic Senate's Coordinating Committee in Spring 2013; the committee unanimously supported the resolution. The resolution, along with the white paper being developed, will be presented to the UCSF faculty-at-large over the summer 2013 seeking approval. It will then be taken up to the Systemwide-level through Matthew St. Clair, UCOP Manager of Sustainability most likely through the Academic Planning & Budget committee. ([Appendix 3](#))

- **Development of White Paper/Perspective or Commentary for NEJM or JAMA**
Task Force member Martin is developing a white paper on the topic. This will be combined with the resolution when routed to the UCSF faculty-at-large for their vote. Members discussed involving healthcare institutions in the discussion as they have a higher level of responsibility. The focus included having the paper discussion utilize the same type of argument has used by the passive smoking campaign; once the scientific impact of passive smoking was understood, hospitals and medical institutions were among the first to institute policies. It can also be made part of the larger discussion on the Affordable Health Care act and how much of healthcare is now shifting to prevention, so as to limit health care visits.
- **Healthy Food in Health Care Campaign**
Kendra Klein, Lucia Sayre, and Sapna Thottathil of the Bay Area Chapter of the Physicians for Social Responsibility provided an overview of this campaign. UCSF has been involved for several years. It's a multi-hospital project aimed at serving locally grown produce in their food locations. It's being done in partnership with Community Alliance for/with Family Farmers (CAFF). Thottathil advised that most hospitals involved in this effort aren't able to have 100% antibiotics-free meat due to volume and price point. Task Force Chair Newman suggested the task force propose UC phase out purchases of meat and poultry raised on non-therapeutic antibiotics, perhaps in partnership with Kaiser or Catholic Health Care West.
- **Sustainable Food Practices at UCSF**
Jack Henderson, Associate Director, Food Services Administration, UCSF Medical Center and Co-chair, UCSF Sustainable Food Workgroup and Dan Henroid, Director, Food Services Administration provided an overview of the Food Services group at UCSF. As they don't pay property taxes, they cannot compete with local businesses. This has led to a lower profile in the promotion of available sustainable food on campus. Food Services has to become smarter about purchases so as to cover the increased costs of sustainable ingredients. They are negotiating with Novation (which holds the UC Medical Centers Group Purchasing Organization (GPO) contract) and US Food to increase sustainable food supply at reasonable prices.

Going Forward

Ongoing issues under review or actions that the Committee will continue into 2013-2014:

- Adding Sustainability into Curriculum
- Conference on Using Non-therapeutic Antibiotics in Meat/Poultry Served at Bay Area Hospitals (Led by Bay Area Chapter of the Physicians for Social Responsibility)

Appendices

[Appendix 1:](#) Guidelines on Sustainability (Academic Affairs)

[Appendix 2:](#) Bylaws and Proposal to Convert Task Force on Sustainability to a permanent standing committee in the UCSF Academic Senate

[Appendix 3:](#) Resolution on the Use of Non-therapeutic Antibiotics in Meat/Poultry at UCSF (Food Services)

Senate Staff:

Alison Cleaver, Senior Analyst

alison.cleaver@ucsf.edu; 415.476.3808



Guidelines for Documenting Sustainability Activities
Associated with Faculty Merits and Promotions

As a campus, UCSF is committed to protecting the health and safety of our faculty, staff, students, patients, and the communities in which we work. Campus efforts to reduce waste, minimize our carbon footprint, be more efficient and conserve limited natural and economic resources are of the utmost importance.

Sustained as well as outstanding individual faculty efforts that support these goals should be recognized and encouraged. As part of University and Public Service, Teaching, Professional Competence and/or Research and Creative Activities, faculty pursuits to protect the environment and support sustainable practices in support of these goals should be documented in merit and promotion materials.

To this end, the following guidelines may be used in preparing merit and promotion packets:

1. Documenting service on department/unit, school, campus or system-wide sustainability committees or task forces such as the following:
 - Chancellor's Advisory Committee
 - Academic Senate Sustainability Committee
 - Sustainability Steering Committee
 - Sustainability Steering Committee Work Group
 - School/department/unit Green Committee
2. Documenting efforts at leading and/or contributing substantially to operational changes that promote sustainable work site practices such as the following:
 - Increasing recycling or composting rates
 - Reducing energy, paper and water waste
 - Increasing rates of carpooling, bicycling or public transit for work commuting
 - Attaining certification as a LivingGreen Lab or LivingGreen Office
 - Hosting a certified LivingGreen event
3. Documenting active engagement in university and public educational efforts focused on sustainability and environmental health issues such as the following:
 - Presenting on sustainability and environmental health topics at grand rounds and/or other campus or system-wide venues
 - Incorporating sustainability content into course curricula
 - Educating the public and policymakers on sustainability and environmental health issues through formal presentations, letters to the editor (while adhering to UCSF Communication Policies), and government testimony and related venues

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- Contributing to a regular column/section in their department/unit newsletter educating faculty and staff about sustainability issues and practices
 - Substantively contributing to unit or campus-wide efforts to reduce work-related paper use such as use of the Collaborative Learning Environment tool to move to a zero paper curriculum
4. Undertaking and disseminating research related to environmental health and/or related to reducing the economic or environmental footprint of healthcare (in general or in one's own discipline).

April 2013
Sustainability Task Force
UCSF Academic Senate



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Communication from the Committee on Rules and Jurisdiction **Patrick Finley, PharmD, Chair**

February 27, 2013

Thomas J. Newman, MD
Chair, UCSF Academic Senate Task Force on Sustainability
Office of the Academic Senate, Box 0764

Re: Proposed Creation of a Standing Committee on Sustainability

Dear Chair Newman:

On February 22, 2013, the Committee on Rules and Jurisdiction (R&J) reviewed the Sustainability Task Force's amendments ([Appendix 1](#)) to R&J's concerns and recommendations ([Appendix 2](#)) regarding creation of a standing committee on Sustainability within the UCSF Academic Senate submitted October 9, 2012 ([Appendix 3](#)). The Committee on Rules and Jurisdiction agrees that Task Force's amendments satisfy the outlined concerns and thereby approves the creation of a standing committee on Sustainability.

The proposed amendment must be approved by a vote of the Division, and subsequently approved by the System-wide University Committee on Rules and Jurisdiction before it may go into effect.

Sincerely,

The Committee on Rules and Jurisdiction

Patrick Finley, PharmD, Chair
Jae Woo Lee, MD, Vice Chair
Gary Armitage, DDS, MS
Marek Brzezinski, MD, PhD
Douglas Carlson, JD
Troy Daniels, DDS
Preston Maxim, MD
Anne Slavotinek, MD, PhD
Catherine Waters, RN, PhD, FAAN

[Appendix 1:](#) [October 9, 2012 Communication from the Sustainability Task Force Regarding Creation of a Standing Committee on Sustainability to the Committee on Rules and Jurisdiction](#)

[Appendix 2:](#) [February 21, 2013 Communication from the Committee on Rules and Jurisdiction to the Sustainability Task Force Regarding Concerns and Recommendations](#)

[Appendix 3:](#) [February 22, 2013 Communication from the Sustainability Task Force to the Committee on Rules and Jurisdiction to the Committee on Rules and Jurisdiction Responding to Concerns and Recommendations](#)



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Communication from the Sustainability Task Force

Thomas B. Newman, MD, MPH, Chair

October 9, 2012

Patrick Finley, PharmD
Chair, Committee on Rules & Jurisdiction
UCSF Academic Senate
500 Parnassus Avenue, Box 0764
patrick.finley@ucsf.edu

Re: Proposed Addition of the Sustainability Committee to the Bylaws of the San Francisco Division of the Academic Senate

Dear Chair Finley,

The Sustainability Task Force requests a review by the Committee on Rules and Jurisdiction of the proposed bylaw for a new standing Sustainability Committee. This communication provides background for our proposal, as well as the specific bylaw language we propose. We seek Rules & Jurisdiction approval so we may subsequently proceed to a vote by the faculty of the Division.

General Background

Unsustainable practices in areas of energy use, water use, pollution and population growth threaten the ecosystems upon which we and other species depend for survival. The University of California "has embraced the goal of sustainability and is transforming its business practices to reduce its environmental impact and fight global warming."¹ As a health sciences campus, UCSF seeks to advance health worldwide. Increasingly this will require changing how we live, work, teach and practice in directions that are more sustainable. We believe that the creation of a new standing committee of the San Francisco Division is an important step to facilitate faculty participation in sustainability activities on our campus, within the UC System and beyond.

Background leading to the creation of the Sustainability Committee

In December 2007, then-Division Chair David Gardner created a Sustainability Task Force to identify faculty-relevant issues related to environmental sustainability at UCSF. Tom Newman served as Co-Chair of this task force with then-Division Vice Chair Elena Fuentes-Afflick. The Task Force submitted its report to Chair Gardner in January 2009. Chair Gardner forwarded the report to then-Chancellor Michael Bishop², who later appointed a Chancellor's Advisory Committee on Sustainability (CACS). Sustainability Task Force members Tom Newman and Ellen Weber were appointed as faculty representatives to CACS from its inception.

Its task accomplished, the Academic Senate Sustainability Task Force did not continue to meet after its report was submitted. However, it has become clear that continued faculty efforts are needed to help implement sustainability recommendations, and to identify and respond to additional opportunities for faculty to enhance sustainability at UCSF. To address this need, Tom Newman presented the proposal to create a standing sustainability committee to the Executive Committee on December 5, 2011 and to the Coordinating Committee on June 5, 2012. The concept was unanimously supported at both meetings.

¹ <http://sustainability.universityofcalifornia.edu/> accessed 10/5/12

² Available at: <http://senate.ucsf.edu/2008-2009/v6-susttf-01-07-09-UCSFChair-Chancellor.pdf>, accessed 10/5/12

Proposed Bylaws Additions with Justifications

180. Sustainability Committee

A *Membership*: This committee shall consist of at least 9 members, including at least:

A.1 One representative from each school

A.2 Ex-Officio – The UCSF Sustainability Manager

Justification: *We seek a membership large enough to accomplish the work of the committee, with diversity enhanced by representation from each School. We did not set an upper limit on membership; if a large number of faculty members are interested we may divide into subcommittees as needed to accomplish the work of the committee without an unwieldy number of members. Including the UCSF Sustainability Manager will help ensure that the committee's work complements and proceeds with an awareness of other campus and Medical Center efforts less clearly in the purview of faculty.*

B Duties

B.1 The chair or designate shall represent UCSF faculty in UC Systemwide sustainability issues

Justification: *Faculty on other UC Campuses are active in promoting sustainability efforts and the UC President's signing of the American College and University Presidents' Climate Commitment³ confirms the UC Systemwide participation in advancing sustainability. Therefore, the creation of a standing sustainability committee at UCSF will facilitate UCSF faculty coordination with other UC campuses as well as with the UC System.*

B.2 Set goals, make and implement recommendations to reduce the environmental impact of UCSF, include sustainability in the curriculum, and increase awareness of the importance of sustainability at UCSF, focusing on activities under the purview of faculty.

B.3 Report annually to the Division on progress of UCSF toward achieving sustainability goals.

B.4 The chair or designate shall represent the Academic Senate on the Chancellor's Advisory Committee on Sustainability

B.5 Select the faculty recipient of the annual Chancellor's Advisory Committee on Sustainability Award.

B.6 To consider and report upon such matters as may be referred to it by the President of the University, the Chancellor, the Division, any Faculty Council, or other committee of the Division.

Justification: *Items B.2 –B.6 all are consistent with the Task Force Report suggesting ongoing faculty involvement in enhancing sustainability at UCSF and publicizing these efforts as part of the effort to change the culture to one in which sustainability is visibly valued.*

Sincerely,

Sustainability Task Force

Tom Newman, Chair
Robert Gould
Gail Lee
Michael Martin
Tim McCalmont

Susan Ryan
Steve Schroeder
Arianne Tehrani
Ellen Weber
Torsten Wittmann

Academic Senate Staff:
Alison Cleaver, Senior Senate Analyst
alison.cleaver@ucsf.edu 415.476.3808

³ <http://www.presidentsclimatecommitment.org/> Accessed 10/5/12

Communication from the Committee on Rules and Jurisdiction **Patrick Finley, PharmD, Chair**

February 21, 2013

Thomas J. Newman, MD
Chair, UCSF Academic Senate Task Force on Sustainability
Office of the Academic Senate, Box 0764

Re: Proposed Creation of a Standing Committee on Sustainability

Dear Chair Newman:

Pursuant to Divisional Bylaw 120(B)(5), the Committee on Rules and Jurisdiction (R&J) reviewed the request to create a standing committee on Sustainability within the UCSF Academic Senate submitted October 9, 2012. The Committee on Rules and Jurisdiction approves the creation of such a committee, but has these concerns and recommendations:

1. “*Membership*: This committee shall consist of at least 9 members, including at least:”
 - The Committee recommends that language regarding committee membership not remain open-ended.
2. “Set goals, make and implement recommendations to reduce the environmental impact of UCSF, include sustainability in the curriculum, and increase awareness of the importance of sustainability at UCSF, focusing on activities under the purview of faculty.”
 - Where curriculum is concerned, the Committee wants to ensure that the Sustainability Committee's practices regarding curriculum do not overlap the authorities of curriculum.

The proposed amendment must be approved by a vote of the Division, and subsequently approved by the University Committee on Rules and Jurisdiction before it may go into effect.

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B.2 Set goals, make and implement recommendations to reduce the environmental impact of UCSF, include sustainability in the curriculum, and increase awareness of the importance of sustainability at UCSF, focusing on activities under the purview of faculty. On curriculum, the Task Force will work with pre-existing review and approval bodies, including each School's Curriculum Review Committees, and the Academic Senate's Committee on Educational Policy and Committee on Courses of Instruction.

B.3 Report annually to the Division on progress of UCSF toward achieving sustainability goals.

B.4 The chair or designate shall represent the Academic Senate on the Chancellor's Advisory Committee on Sustainability

B.5 Select the faculty recipient of the annual Chancellor's Advisory Committee on Sustainability Award.

B.6 To consider and report upon such matters as may be referred to it by the President of the University, the Chancellor, the Division, any Faculty Council, or other committee of the Division.

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Communication from the Sustainability Task Force Tom Newman, MD, Chair

Statement on the Non-therapeutic Use of Antibiotics in Agriculture June 2013

Whereas:

- Eighty percent of antibiotics sold in the United States are used for animal agriculture, primarily for non-therapeutic purposes;^{1,2}
- Antibiotic resistance is increasing across the country;³
- There is a growing body of research that links antibiotic resistance to the overuse of antibiotics in animal agriculture, presenting a serious risk to human health;^{4,5}
- There is a strong consensus among independent experts, including the U.S. Institute of Medicine/National Academy of Science and the World Health Organization, that antibiotic use in agriculture contributes to growing antibiotic resistance. More than 300 organizations, including the American Medical Association, American Public Health Association, and Health Care Without Harm, have advocated ending the non-therapeutic use of medically important antibiotics as feed additives;^{6,7,8}
- Non-therapeutic use of antibiotics in livestock was banned in Sweden in 1980s, Denmark in the 1990s, and in the rest European Union in 2006, but multiple attempts to ban this practice in the US over the last 30 years have been thwarted by the factory farming and pharmaceutical industries;⁹
- Several hospitals and school systems across the country are already committing to procuring meat raised without non-therapeutic antibiotics;^{10,11}

Therefore, the UCSF Academic Senate:

- Calls on UCSF food services to phase out of all procurement of meat produced with the use of non-therapeutic antibiotics.
- Encourages the entire UC system, including all of the UC medical and academic foodservice facilities, to develop a timeline for a similar phase out.
- Encourages UCSF students, faculty and staff and the larger community to reduce or eliminate their own purchases of meat raised with non-therapeutic antibiotics.
- Encourages UCSF students, faculty and staff to become familiar with the significant risks imposed by the non-therapeutic use of antibiotics in agriculture and to help educate the public and decision makers regarding the importance of reserving antibiotics for therapeutic use.

¹ McKenna, Maryn (2010), "Farm Animals Get 80 Percent of Antibiotics Sold in U.S.," *Wired*, <http://www.wired.com/wiredscience/2010/12/news-update-farm-animals-get-80-of-antibiotics-sold-in-us/>

² Press Release for Congressperson Louise M. Slaughter, May 13, 2011, http://www.louise.house.gov/index.php?option=com_content&view=article&id=2481:fda-reports-to-slaughter-over-70-percent-of-antibiotics-administered-to-animals-in-feed-&catid=95:2011-press-releases&Itemid=100071

³ The Center for Disease Dynamics, Economics & Policy, *Resistance Map*, <http://www.cddep.org/resistancemap/overview#.UMplAnfDF8M>

⁴ For a complete annotated bibliography, see http://www.keepantibioticsworking.com/new/KAWfiles/64_2_107403.pdf (93 references). One example is 2012 study that found a link between bacteria in chickens and antibiotic-resistant urinary tract infections in human populations: Bergeron, Catherine Racicot; Prussing, Catharine; Boerlin, Patrick; *et al.* (2012), "Chicken as Reservoir for Extraintestinal Pathogenic *Escherichia coli* in Humans, Canada," *Centers for Disease Control and Prevention's Emerging Infectious Diseases*, Vol. 18, No. 3, pp. 415-421, http://wwwnc.cdc.gov/eid/article/18/3/11-1099_article.htm.

⁵ Another example is a 2012 study that found evidence of a “bidirectional zoonotic exchange” of Methicillin Resistance between humans and livestock: Price, L.B.; Stegger, Mike; Hasman, Henrik; *et al.* (2012), “Staphylococcus aureus CC398: Host Adaptation and Emergence of Methicillin Resistance in Livestock,” *American Society for Microbiology*, Vol. 3, No 1, <http://mbio.asm.org/content/3/1/e00305-11>.

⁶ Institute of Medicine, Board on Global Health (2003). *Microbial Threats to Health: Emergence, Detection, and Response*, National Academy of Sciences Press, Washington, DC, <http://www.nap.edu/openbook.php?isbn=030908864X>.

⁷ Joint WHO/FAO/OIE Expert Workshop on Non-human Antimicrobial Usage and Antimicrobial Resistance, Geneva, 1-5 December 2003, <http://www.who.int/foodsafety/publications/micro/en/amr.pdf>.

⁸ *Joint Statement on Antibiotic Resistance from 25 National Health Organizations and the Centers for Disease Control and Prevention* (2012), http://cddep.org/sites/cddep.org/files/etc_consensus_statement.pdf (May need to view this link with GoogleDocs.)

⁹ Consumer Reports. Meat on Drugs. June, 2012, available at: http://www.consumerreports.org/content/dam/cro/news_articles/health/CR%20Meat%20On%20Drugs%20Report%2006-12.pdf, accessed 1/21/13

¹⁰ Balanced Menus, Best Practices, Health Care Without Harm, <http://www.healthyfoodinhealthcare.org/balancedmenus.bestpractices.php>

¹¹ “Chicago Public Schools Largest District to Serve Chicken Raised Without Antibiotics,” Press Release for the Pew Charitable Trusts, Nov. 1, 2011, <http://www.pewhealth.org/news-room/press-releases/chicago-public-schools-largest-district-to-serve-chicken-raised-without-antibiotics-85899367477>