PROPOSAL

THE HUMBOLDT INSTITUTE FOR INTERDISCIPLINARY MARIJUANA RESEARCH (HIIMR)

PRESENTED TO THE COLLEGE DEANS AND PROVOST

BY

THE OFFICE OF RESEARCH AND SPONSORED PROGRAMS

APRIL 2012
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVERVIEW</td>
<td>1</td>
</tr>
<tr>
<td>Center Mission</td>
<td>2</td>
</tr>
<tr>
<td>Objectives and Goals of the Institute</td>
<td>2</td>
</tr>
<tr>
<td>Humboldt State University and the Humboldt Institute For Interdisciplinary Marijuana Research</td>
<td>3</td>
</tr>
<tr>
<td>Link to Existing Marijuana and Other Drug Research Groups</td>
<td>5</td>
</tr>
<tr>
<td>Institute Organization</td>
<td>5</td>
</tr>
<tr>
<td>Director(s)</td>
<td>5</td>
</tr>
<tr>
<td>Governing Board</td>
<td>8</td>
</tr>
<tr>
<td>Advisory Board</td>
<td>8</td>
</tr>
<tr>
<td>Membership</td>
<td>9</td>
</tr>
<tr>
<td>HSU's Resources for Financing of the HIIMR and the Role of the Colleges, Academic Affairs, and President's Office</td>
<td>12</td>
</tr>
<tr>
<td>Potential Funding Sources</td>
<td>13</td>
</tr>
<tr>
<td>Budget and Distribution of Funds</td>
<td>13</td>
</tr>
<tr>
<td>Risk Management</td>
<td>14</td>
</tr>
<tr>
<td>Qualifications of Director(s)</td>
<td>15</td>
</tr>
<tr>
<td>Five Year Plan for HIIMR</td>
<td>16</td>
</tr>
<tr>
<td>Publications/references</td>
<td>16</td>
</tr>
<tr>
<td>Contact Information</td>
<td>17</td>
</tr>
<tr>
<td>Appendix A: Letters of Support</td>
<td>19</td>
</tr>
<tr>
<td>Appendix B: Grants and Contracts from the Federal government</td>
<td>24</td>
</tr>
<tr>
<td>Appendix C: Grants and/or gifts from Non-profit Organizations and Foundations</td>
<td>27</td>
</tr>
</tbody>
</table>
Humboldt State University (HSU) is located in a region of California known for the production, harvesting, processing and distribution of marijuana. The range of practices connected to these activities, and the impacts of the activities on the economy, social services, education, environment, and workforce development in Humboldt and surrounding counties is discussed, written about, surmised, and assumed with little actual data. For these and other reasons described below, HSU has created the Humboldt Institute for Interdisciplinary Marijuana Research (HIIMR). HIIMR is intended to be a statewide center of policy and research on marijuana and a model for the development of other marijuana related university-based centers across the United States. The intent is for the Institute to become the leading resource for the dissemination of marijuana research for health professionals, academics, policy-makers, businesses, governments, educators, media and foundations. It is important to note that HIIMR is not an advocacy organization, will accept only verifiable legitimate sources of funding, and will comply with all federal, state, and local ordinances, laws and regulations.

HIIMR is being developed in response to growing interest and concern with the social, health, economic, environmental, policy, and regulatory issues associated with medicinal and recreational marijuana production and consumption. In California, state level legalization of medical marijuana during the past 15 years has seeded a range of industries providing employment and tax revenue. This nascent industry has also generated a variety of legal, social, environmental, and health concerns for localities that have passed medical marijuana legislation. Ongoing marijuana prohibition by the federal government provides an additional challenge for communities attempting to implement and enforce marijuana regulations in a dynamic legislative environment. An additional challenge is in the collection of valid data for assessment of the impacts of the marijuana industry on a region’s economy, physical and social well-being, energy consumption, land use, water quality and resources, health and human services, and
police/fire/emergency services. Anecdotal data suggest major impacts, both deleterious and beneficial, of the “local underground industry” on a regional basis, however regulatory and economic decisions require data collected using valid, statistically sound methods. Such data are critical for developing economical, effective, and efficient practices for addressing and mitigating the impacts of medicinal and recreational marijuana production and consumption. The Humboldt Institute for Interdisciplinary Marijuana Research will function as a national resource for policymakers, academics, and community organizations seeking to develop informed marijuana policy and research agendas.

CENTER MISSION

HIIMR seeks to improve the economic, social, physical, and environmental health of individuals and communities through the interdisciplinary scientific study of marijuana. Members of HIIMR will:

- Design, conduct, analyze, and disseminate research,
- Provide applied expertise to policy makers, researchers, health professionals, businesses, and the media, and
- Archive and provide access to source materials (raw data, media)

OBJECTIVES AND GOALS OF THE INSTITUTE

The Institute’s objectives are to:

- Create a high-profile Institute within Humboldt State University for the purpose of providing marijuana policy analysis;
- Promote rigorous scientific and scholarly opportunities for faculty, staff, and students;
- Encourage scholarly and policy collaborations with researchers from other institutions;
- Serve as a clearinghouse of marijuana related research.

In order to accomplish these objectives, the Institute will engage in the following activities:

- Collect, analyze and disseminate data to the public and to policymakers;
- Collaborate with other institutions and agencies to support and enhance existing as well as ongoing projects and goals;
• Submit proposals for internal and external research funding; and
• Preserve and archive data through the HSU Library Special Collections Unit.

Research goals focus on data collection and assessment methods that can be used to enhance knowledge available to communities, researchers, educators, and others in better understanding the past, present, and potential future role of marijuana at it relates to the regional economy, workforce development, health, environment, and community relations.

HUMBOLDT STATE UNIVERSITY AND THE HUMBOLDT INSTITUTE FOR INTERDISCIPLINARY MARIJUANA RESEARCH

The mission and goals of the HIIMR integrate fully with the mission, vision, and core values of the Humboldt State University campus (http://www.humboldt.edu/president/VisionMissionCoreValues.html). The HSU mission statement follows, with bold lettering to highlight those most applicable to the HIIMR:

“Humboldt State University is a comprehensive, residential campus of the California State University. We welcome students from California and the world to our campus. We offer them access to affordable, high-quality education that is responsive to the needs of a fast-changing world. **We serve them by providing a wide array of programs and activities that promote understanding of social, economic and environmental issues.** We help individuals prepare to be responsible members of diverse societies. These programs and the experience of a Humboldt State education serve as a catalyst for life-long learning and personal development. **We strive to create an inclusive environment of free inquiry, in which learning is the highest priority. In this environment, discovery through research, creative endeavors and experience energizes the educational process.”

The vision of Humboldt State University follows:

• Humboldt State University will be the campus of choice for individuals who seek above all else to improve the human condition and our environment.

• We will be the premier center for the interdisciplinary study of the environment and its natural resources.

• We will be a regional center for the arts.
• We will be renowned for social and environmental responsibility and action.
• We believe the key to our common future will be the individual citizen who acts in good conscience and engages in informed action.
• We will commit to increasing our diversity of people and perspectives.
• We will be exemplary partners with our communities, including tribal nations.
• We will be stewards of learning to make a positive difference.

Finally, core values for HSU include several points that support the creation of the HIIMR, including:

• We believe in an environment of free inquiry where learning occurs both inside and outside the classroom. As a community of learning, the campus curricular and co-curricular environment encourages intellectual discourse, aesthetic creativity and appreciation, and significant opportunities for involvement and service. We prepare students to take on the commitments of critical inquiry, social responsibility and civic engagement necessary to meet the challenges of the 21st century.
• We believe in intellectual growth through scholarship, creative activities and research. We prepare individuals to be successful in advanced academic and professional degree programs; to be in positions of leadership; and to be proactive and productive members of society.
• We believe in the dignity of all individuals, in fair and equitable treatment, and in equal opportunity. We value the richness and interplay of differences. We value the inclusiveness of diversity, and we respect alternative paradigms of thought.
• We believe in collegial dialogue and debate that leads to participatory decision-making within our community of student, staff, administrator, and faculty learners.
• We believe the University must assist in developing the abilities of individuals to take initiative, and to collaborate in matters resulting in responsible action.
• We believe individuals must be environmentally, economically and socially responsible in the quest for viable and sustainable communities.
• We believe the University is an integral part of our local and regional communities.
• We believe the University is a repository for archiving accumulated knowledge with inclusive access for our academic and broader communities.
LINK TO EXISTING MARIJUANA AND OTHER DRUG RESEARCH GROUPS

HIIMR will create relationships with existing drug research groups in California and the United States, such as the Center for Medicinal Cannabis Research, Institute for Scientific Analysis, and RAND (Table 1). The Institute will work with these groups in the development of Institute support mechanisms, policy review and evaluation, and dissemination of research findings. Letters of support from organizations and agencies in support of HIIMR are provided in Appendix A.

Table 1. Short list of drug research groups and centers.

<table>
<thead>
<tr>
<th>Group</th>
<th>Primary Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>UC San Diego Center for Medicinal Cannabis Research</td>
<td>Scientific assessment of the safety and efficacy of cannabis and cannabis compounds for treating medical conditions.</td>
</tr>
<tr>
<td>Institute for Scientific Analysis</td>
<td>Substance abuse</td>
</tr>
<tr>
<td>RAND</td>
<td>Drug policy and trends</td>
</tr>
</tbody>
</table>

INSTITUTE ORGANIZATION

The proposed organization of HIIMR includes the Directors, a Governing Board, an Advisory Board, and Faculty, Associate, and Community Members. A summary of the organizational structure is depicted in Figure 1.

DIRECTOR(S)

One person may serve as the Director or two people may work side by side as Co-Directors. The Director(s) report directly to the Deans of their respective College, if applicable. The initiating Co-Directors are:

- Dr. Erick Eschker, Professor of Economics and Co-Director of HIIMR
- Dr. Josh Meisel, Assistant Professor of Sociology and Co-Director of HIIMR
The Director(s) shall serve for a term of three years and may be reappointed. The Director(s) shall be an HSU faculty member and shall be appointed by the Governing Board on the recommendation of the faculty membership of HIIMR. The Director(s) shall have executive authority over routine administrative matters, but in substantive matters shall refer a topic for discussion with the Governing Board or the HIIMR membership. The responsibilities of the Director(s) include the following:

- Oversight of Institute activities to ensure achievement of agreed upon goals;
- Organizing and managing the administrative support staff of the Institute;
- Organizing regular meetings of the members;
- Scheduling, coordinating and managing subcommittees as needed;
- Scheduling and organizing regular meetings of the Advisory Board and the Governing Board, as applicable;
- Coordinating fundraising activities in conjunction with the Faculty members, the Advisory Board, the Foundation, and the Development office;
- Managing the finances of the Institute in collaboration with the Sponsored Programs Foundation (SPF), including the review and approval of all expenditures related to operation of the HIIMR. Institute funds will be held in a HSU-SPF trust account, unless grant related, where funds will then be held in an SPF grant account. In the latter case, the Principal Investigator for the award manages the funds. Director(s) will ensure that payments of salaries, wages, or consulting fees and other rates of pay for activities by faculty members do not exceed those allowed by University or Trustee regulations;
- Working with staff in the Office of Research and Sponsored Programs to ensure that fiscal reporting is carried out;
- Organizing lectures, conferences, roundtables and workshops;
- Developing and maintaining a center website in compliance with university policy and procedures;
- Coordinating with University technology support to provide wide dissemination of the various activities of the Institute. These services will include but are not limited to the following: video conferencing, web conferencing, wikis, blogs, chats, and video on demand;
- Managing all space, physical arrangements, production of brochures and materials, and other support of programs and scholarly projects.
Figure 1. Humboldt Institute for Interdisciplinary Marijuana Research (HIIMR) Organizational Structure.
GOVERNING BOARD

Members of the Governing Board include the Dean for Research and Sponsored Programs, six (6) elected HSU representatives that will be chosen from HIIMR faculty members, and the Institute Director(s). If there are co-directors, the board will select one to serve as Board Chair. The elected faculty representatives will be those with demonstrated research and interest in marijuana studies. The Governing Board determines the Institute’s activities and research priorities and evaluates the effectiveness of the Institute. The Governing Board will meet semi-annually or as needed. Proposed Governing Board members include:

- Edie Butler, Library Services Specialist, Archivist (Staff Representative)
- Erick Eschker, Director Humboldt Economic Index, Professor, Department of Economics (Co-Chair)
- Gregg Gold, Professor, Department of Psychology (Faculty Representative)
- Josh Meisel, Coordinator Criminal Justice Minor, Assistant Professor, Department of Sociology (Co-Chair)
- Anthony Silvaggio, Lecturer, Department of Sociology (Faculty Representative)
- Ronnie Swartz, Chair and Associate Professor, Department of Social Work (Faculty Representative)
- Elizabeth Watson, Director of the Institute for the Study of Alternative Dispute Resolution; Professor, Department of Sociology (Faculty Representative)
- Rhea L. Williamson (Dean of Research and Sponsored Programs)
- Beth Wilson, Chair and Professor, Department of Economics (Faculty Representative)

ADVISORY BOARD

An Advisory Board will provide on-going advice and support to the Institute, including fundraising recommendations. The Advisory Board will include a representative of the college deans, professionals in a range of disciplines (including health, government, law, social justice, environmental), state and federal agencies, and community representatives. The Advisory Board will meet annually or as needed to provide input and guidance on issues related to:

- Availability of campus, local, and external resources that would promote the research agenda of the Institute and the policy/programmatic needs of the community;
- Personnel resources (for example for teaching a specialized course or giving guest lectures);
- Identification and prioritization of the needs of the program.
Potential members to the HIIMR Advisory Board are being tabulated; membership will be solicited once the HIIMR has been approved.

MEMBERSHIP

There are three general categories of membership: Faculty, Associate, and Community with the difference a function of voting rights. Faculty members consist of HSU faculty while Associate members are non-HSU faculty and external researchers. Community members include non-profit and community representatives. Membership is not available to HSU students. See the Risk Management section for more information on student participation.

A. Faculty Members

Faculty members of the Institute will be drawn from the HSU faculty and will include those who have teaching, research, and/or interests relating to any aspect of marijuana. Faculty members may be HSU tenured, tenure track, lecturers, librarians and archivists. Faculty members vote for the Director(s), the Governing Board membership, and for new members to the HIIMR membership roster. Faculty members may run to serve on the Governing Board. Faculty members of the HIIMR will be expected to:

- Attend the Institute meetings;
- Serve on committees or task forces;
- Provide professional advice to the Institute;
- Support and attend HIIMR events;
- Participate in fund-raising activities;
- Serve as a public relations and development resource for the Institute.

B. Associate and Community Members

Associate members are non HSU researchers associated with the Institute. Associate members might include HSU emeriti and staff, scholars from other universities and research centers, and visiting colleagues. Community members are non-researchers and may encompass a broad range of persons. Community members might include professionals from local educational and civic institutions, non-profit and community organizations, members of local law enforcement and regulatory agencies, and state and local agencies including those involved with agriculture,
forestry, healthcare, and parks and recreation. Both Associate and Community members are entitled and encouraged to attend and participate in all meetings and events; however, they are not entitled to vote. Meetings of all members shall be convened by the Director(s) of HIIMR as necessary. Conditions for meetings include:

a. A majority of Faculty Members shall constitute a quorum.

b. A majority vote of the quorum is required to pass any motions.

c. All meetings shall be conducted according to Robert’s Rules of Order, as needed.

The membership will be established and adjusted based on a participant’s expertise and experience. Membership to HIIMR will be by majority vote of current Faculty Members. Removal from HIIMR will be by member request, or when applicable, by majority vote of the Governing Board, on recommendation by the current Faculty Members. Reasons for removal will be justified and may include lack of participation, disruption of process, or behavior that jeopardizes the sustainability of the Institute. HSU faculty members interested in membership in the HIIMR are identified in Table 2 by Department and research areas of interest.

Table 2. Humboldt Institute for Interdisciplinary Marijuana Research Initial Membership and Research Interest Areas.

<table>
<thead>
<tr>
<th>Member Name</th>
<th>Department</th>
<th>Interest Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joan Berman</td>
<td>Library Special Collections</td>
<td>Archiving and maintenance of records on local history related to Cannabis.</td>
</tr>
<tr>
<td>Edie (Edith) Butler</td>
<td>Library Special Collections</td>
<td>Primary interest in long term preservation and archiving of local research on marijuana. Secondary interest in identifying and filling gaps in the record of the marijuana phenomena in northwest California.</td>
</tr>
<tr>
<td>Erick Eschker PhD</td>
<td>Economics</td>
<td>Measure the size and impact of marijuana production on the local economy and the economic impacts of possible legalization of marijuana production and consumption. Add marijuana production data to the Humboldt Economic Index.</td>
</tr>
<tr>
<td>Yvonne Everett PhD</td>
<td>Environmental Science and Management</td>
<td>Environmental planning, forest management, social and environmental impacts from production and resultant changes on the economy, changes in the demographics of regions, security impacts.</td>
</tr>
<tr>
<td>Member Name</td>
<td>Department</td>
<td>Interest Area</td>
</tr>
<tr>
<td>------------------------</td>
<td>------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Gregg Gold PhD</td>
<td>Psychology</td>
<td>Interest in how attitudes and behaviors change based on an individual’s perceptions of the social atmosphere regarding marijuana, and how marijuana use affects health outcomes.</td>
</tr>
<tr>
<td>Josh Meisel PhD</td>
<td>Sociology</td>
<td>Examination of evolving community attitudes towards marijuana cultivation and communities as well as the history of marijuana control in California. Assessment of law enforcement strategies following state legalization of medical marijuana.</td>
</tr>
<tr>
<td>Bruce O’Hara PhD</td>
<td>Biology</td>
<td>The pharmacological aspects and chemistry of Cannabis and impacts on physiology.</td>
</tr>
<tr>
<td>Anthony Silvaggio PhD</td>
<td>Sociology</td>
<td>The ecological and public health impacts of marijuana production on rural communities in northern California. Identification of the nature of environmental crimes committed by the industry, impacts on public and private lands, and how law enforcement, public health officials, and policy makers respond to the increasing scale and frequency of this “collateral damage”.</td>
</tr>
<tr>
<td>Ronnie Swartz MSW PhD</td>
<td>Social Work</td>
<td>Advance research, policy, and practices that reduce harm to people, communities, and the environment from problematic use of marijuana as well as problematic drug policy responses. Use of medical marijuana in substance abuse treatment programs</td>
</tr>
<tr>
<td>Elizabeth Watson PhD</td>
<td>Sociology</td>
<td>Local Physicians and Medical Marijuana Ethical Issues, Dewatering of North Coast Streams, Pot and Wine, Public policy assessment of current laws; cognitive dissidence.</td>
</tr>
<tr>
<td>Beth Wilson PhD</td>
<td>Economics</td>
<td>Estimating the production function of the marijuana industry and the size (in terms of sales) of the industry in Humboldt County, so that IMPLAN can be used to measure the economic impact on Humboldt County from possible changes to the local industry from the legalization of marijuana.</td>
</tr>
<tr>
<td>Jessica Van Arsdale MD</td>
<td>CA Center for</td>
<td>The chemical components and how this relates to medicinal properties (% THC vs % Cannabinoids), long-term effects on children who are exposed to marijuana in-utero or early in life, the true prevalence of marijuana use among different sectors of our community and who is using for medicinal purposes vs. recreational use.</td>
</tr>
<tr>
<td></td>
<td>Rural Policy</td>
<td></td>
</tr>
</tbody>
</table>
HSU’S RESOURCES FOR FINANCING OF THE HIIMR AND THE ROLE OF THE COLLEGES, ACADEMIC AFFAIRS, AND PRESIDENT’S OFFICE

It is anticipated that the primary sources of funding for the Institute will be external and the Director(s) will work closely with the Advisory Board, University Advancement, and the Office of Research and Sponsored Programs to secure such funding. Only legitimate funding sources will be solicited and accepted. Since external funding often comes with expectations or requirements of internal support, the Institute will work closely with the Deans of all three colleges (CAHSS, CPS, and CNRS) to develop appropriate University support. With the exception of requirements for internal support, the Institute expects to be fully self-supporting within five years. Finances of the Institute will be managed by the Director(s) in consultation with the other members of the Governing Board, and administered by the HSU Office of Research and Sponsored Programs Foundation. Annual reports with budgets will be submitted to the Dean of Research in compliance with HSU policy on Centers and Institutes, and a Five-Year report will be submitted to the Governing Board to determine the sustainability of the Institute. Ultimate responsibility for the fiscal stability of the Institute rests with the Deans of the Colleges. Allocation of funds for several specific tasks has been identified by the originating faculty as core to managing the HIIMR. Grants and contracts written under the aegis of HIIMR will include funds for these line items as applicable, appropriate, and reasonable. Specific items identified to date include:

- Secretarial and budgeting support from the Office of Research and Sponsored Programs. This includes use of a budget analyst for reporting budgets. This level of support will be written into grants and contracts submitted under the HIIMR. As with any award, budget analyst time is a part of the IDC recovered by the award.
- Website creation/support from staff. Initial support will be requested from HSU. Continued support will be written into grants and contracts submitted under the HIIMR.
- Conference start-up money. This level of support will be written into grants and contracts submitted under the HIIMR.
- Special edition of Journal of Social Relations (to support graduate students). Funding to support this effort will be identified and solicited through internal funding options.
• Travel money. This level of support will be written into grants and contracts submitted under the HIIMR.
• RAs for faculty. This level of support will be written into grants and contracts submitted under the HIIMR.
• Research support (expenses, equipment, etc.). This level of support will be written into grants and contracts submitted under the HIIMR.
• Release for directors. Initial support will be requested from HSU. Continued support will be written into grants and contracts submitted under the HIIMR.

Start-up funding will be requested from the HSU President’s Office for the initial year, as described below. No funds have been committed towards the creation of the HIIMR and future funding from the President’s Office may be contingent on the outcomes of Year 1.

POTENTIAL FUNDING SOURCES

Anticipated sources of revenue to support the research agenda for HIIMR include:
• Grants and contracts from the Federal government (Appendix B)
• Grants and Contracts from State and Local agencies
• Grants and/or gifts from non-profit organizations and foundations (Appendix C)
• Grants and/or gifts from industry partners
• Internal research grants (Chancellor’s Office, Lottery, Deans, MSF funds, Foundation)
• Donations in kind or in cash once deemed legitimate by University Council
• External User Fees, if applicable
• Training or Short Course Fees, if applicable

BUDGET AND DISTRIBUTION OF FUNDS

Funds generated from contracts and grants, fees for service, and the initial start-up allocation, if funded, will be used for the day to day operation of the Institute as well as for special projects. Funds will be distributed to faculty for conference presentations and for travel. Students will be funded primarily as research assistants to faculty, but will sometimes receive funding for conference presentations as well. All distributions will be approved by the Director(s) in consultation with the other members of the Governing Board.
RISK MANAGEMENT

HIIMR is a research focused institute; it is not an advocacy institute. Under no circumstance will HIIMR promote or support illegal activities or accept funds in any form that originate from illegal sources. These are conditions that if not followed, will result in the immediate dissolution of HIIMR. It is important that these conditions be clearly articulated in order to protect Humboldt State University’s excellent reputation. The goal of risk management is to ensure that these conditions are met, and to ensure that the research by the HIIMR is conducted without bias and with the highest scientific and ethical standards. Only objective, data supported efforts will be undertaken. In order to minimize risk to the community, students, faculty, staff and institution, prior to initiating activities under the name of HIIMR, Humboldt State University will require that the following conditions are verified as completed:

- All participants in HIIMR will be trained in accordance with the National Institute of Health (NIH) guidelines (42 CFR Part 50 Subpart F; 42 CFR 50.604) and the California Fair Political Practice Commission (FPPC) guidelines related to conflict of interest and the acceptance of investments, income, loans, and travel payments from funding entities that may present a conflict or a risk to Humboldt State University or the Humboldt State University Research Foundation.

- All participants in HIIMR will be required to submit California Form 700-U or equivalent. Form 700-U is a FPPC form for principal investigators. A similar form will be required from all other participants. All income, including but not limited to salary, wage, advances, dividends, interest, rent, proceeds from sales, gifts (including food and beverage, parking passes, tickets to events, accommodations, honorarium, transportation, lodging, rebates/discounts), loan forgiveness, payment of debts, and reimbursement for expenses must be disclosed (http://humboldt.edu/forms/sites/forms/files/Form700_UInteractive02-03.pdf).

- All funds received by HIIMR will be investigated for legitimacy in accordance with guidelines set by the charities and nonprofits portal at the Internal Revenue Service's website (http://www.irs.gov/charities/index.html?navmenu=menu1). The site hosts Publication 78, which is a comprehensive listing of all nonprofit organizations and charities legally recognized as legitimately nonprofit.
• Before funding agreements are signed, successful HIIMR applicant teams must have a signed written agreement adequately addressing Intellectual Property (IP) issues relating to the individual and/or collaborative, when applicable. These IP Agreements will be reviewed and approved by the Office of Research and Sponsored Programs to ensure that they are consistent with HSU’s applicable IP regulations and with the Agreement between the co-funders.

• Before funding agreements are signed, successful HIIMR applicant teams must obtain all necessary approvals for animal protection (http://www.humboldt.edu/iacuc/), human subject protection (http://www.humboldt.edu/human_subjects/), and use of human embryonic stem cells, unless the approval is not required to initiate the award. HSU will monitor compliance with approval procedures when applicable.

• Students are not allowed to hold membership in HIIMR, however HSU faculty may invite students to participate in specific HIIMR activities, when applicable (e.g., involvement in thesis or research related activities). Student participants must be 18 or older. All student internships, service learning opportunities, data collection, and research involving interactions with humans or private data on humans will be reviewed by the HSU IRB and by the Office of Risk Management prior to student involvement.

QUALIFICATIONS OF DIRECTOR(S)

Erick Eschker is the Director of the Humboldt Economic Index. His research interests include regional economic analysis, drug policy, real estate and housing, health care, entrepreneurship, the NBA labor market, and generational accounting. In spring 2004 Professor Eschker was awarded a President McCrone Promising Faculty Scholars Award and he spent his sabbatical at the Center for Population Economics at the University of Chicago. From 2005-2006 he was a research economist at the American Medical Association. He has published in journals including Applied Economics and Public Budgeting and Finance. He has given papers at The Federal Reserve Bank of Chicago, the Western Economic Association Annual Meetings, and the Social Science History Association Meetings. Professor Eschker has taught at the University of California Berkeley, Sacramento State University, Bates College in Maine, and the University of California Davis. He arrived at HSU in 1998.
Josh Meisel is the Graduate Coordinator for the Sociology Master’s Program and the Coordinator of the Criminal Justice Minor. His research interests include public opinion and policy concerning marijuana, marijuana enforcement, prisons, punishment, and juvenile justice. He has published in journals including the Prison Journal, Teaching Sociology, and Critical Criminology. He has given papers at meetings of the American Society of Criminology, American Sociological Association, and Pacific Sociological Association. Professor Meisel has taught at the University of Colorado at Boulder and Sonoma State University. He arrived at HSU in 2001.

FIVE YEAR PLAN FOR HIIMR

The Institute is expected to be largely self-supporting by the end of the fifth year. Since external funding is contingent on a history of achievement and often requires some internal support, initial expenses may be supported with internal funding. Space for the Institute will be in existing department offices within CAHSS and CPS, with an understanding that as the Institute expands and grows, funding allocations for additional space may be required. A summary of annual needs, special activities, costs, and resources is provided in the projected year 1 budget for operations and maintenance of the HIIMR (Table 3). A total University investment in the amount of $59,544 was requested but unfunded. Funds for continued operation will be solicited from external grants and contracts, gifts, and donations and from the President’s Office following annual report review and recommendation by the Dean of Research and Sponsored Programs.

PUBLICATIONS/REFERENCES

Kaci Poor. 2011. HSU brings pot thought to the ivory tower with a marijuana studies working group. NEWS: Higher Education (newsroom@northcoastjournal.com).

Kush Magazine. Bob Selan of Los Angeles, CEO

Christopher Cadelago, Reporter - County & Politics. Sign on San Diego, Mayor not out to shut down medical marijuana shops. Sunday, August 7, 2011 at 4 p.m.
CONTACT INFORMATION:

Dr. Erick Eschker, Professor
Department of Economics
Humboldt State University
1 Harpst Street
Arcata, CA 95521
erick@humboldt.edu

Dr. Joshua Meisel, Assistant Professor
Department of Sociology
Humboldt State University
1 Harpst Street
Arcata, CA 95521
meisel@humboldt.edu

Dr. Rhea L. Williamson, Dean
Office of Research and Sponsored Programs
Humboldt State University
1 Harpst Street
Arcata, CA 95521
rhea.williamson@humboldt.edu
Table 3. Year 1 Planning for Humboldt Institute for Interdisciplinary Marijuana Research (HIIMR)

<table>
<thead>
<tr>
<th>Personnel</th>
<th>Annual salary</th>
<th>Effort</th>
<th>HSU Support Requested</th>
<th>Private Support</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-Director - Erick Eschker</td>
<td></td>
<td>4 WTU</td>
<td>$ 10,936</td>
<td>$ 10,936</td>
<td></td>
</tr>
<tr>
<td>Co-Director - Josh Meisel</td>
<td></td>
<td>4 WTU</td>
<td>$ 7,838</td>
<td>$ 7,838</td>
<td></td>
</tr>
<tr>
<td>Student Research Assistants (2)</td>
<td></td>
<td></td>
<td>$ 2,000</td>
<td>$ 2,000</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal Personnel</strong></td>
<td></td>
<td></td>
<td><strong>$ 20,774</strong></td>
<td><strong>$ 20,774</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Fringe Benefits:**

<table>
<thead>
<tr>
<th>Personnel</th>
<th></th>
<th></th>
<th>HSU Support Requested</th>
<th>Private Support</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-Director - Erick Eschker</td>
<td></td>
<td></td>
<td>$ 3,419</td>
<td>$ 3,419</td>
<td></td>
</tr>
<tr>
<td>Co-Director - Josh Meisel</td>
<td></td>
<td></td>
<td>$ 2,094</td>
<td>$ 2,094</td>
<td></td>
</tr>
<tr>
<td>Student Research Assistants (2)</td>
<td></td>
<td></td>
<td>$ 1,257</td>
<td>$ 1,257</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal Benefits</strong></td>
<td></td>
<td></td>
<td><strong>$ 6,770</strong></td>
<td><strong>$ 6,770</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Total, Salary and Benefits**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>HSU Support Requested</th>
<th>Private Support</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>$ 27,544</strong></td>
<td><strong>$ 27,544</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Other Costs**

<table>
<thead>
<tr>
<th>Item</th>
<th></th>
<th></th>
<th>HSU Support Requested</th>
<th>Private Support</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travel (conference, site visits, mileage, etc.)</td>
<td></td>
<td></td>
<td>$ 6,000</td>
<td>$ 6,000</td>
<td></td>
</tr>
<tr>
<td>Research Supplies</td>
<td></td>
<td></td>
<td>$ 3,000</td>
<td>$ 3,000</td>
<td></td>
</tr>
<tr>
<td>Office Supplies</td>
<td></td>
<td></td>
<td>$ 1,000</td>
<td>$ 1,000</td>
<td></td>
</tr>
<tr>
<td>Website Development</td>
<td></td>
<td></td>
<td>$ 2,000</td>
<td>$ 2,000</td>
<td></td>
</tr>
<tr>
<td>Conference</td>
<td></td>
<td></td>
<td>$ 20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal Other costs</strong></td>
<td></td>
<td></td>
<td><strong>$ 32,000</strong></td>
<td><strong>$ 32,000</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Total Direct Costs (TDCs)**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>HSU Support Requested</th>
<th>Private Support</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>$ 59,544</strong></td>
<td><strong>$ 59,544</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Indirect Costs**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>HSU Support Requested</th>
<th>Private Support</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>0%</td>
<td>$</td>
<td></td>
</tr>
</tbody>
</table>

**Total Request**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>HSU Support Requested</th>
<th>Private Support</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>$ 59,544</strong></td>
<td>$ -</td>
<td><strong>$ 59,544</strong></td>
</tr>
</tbody>
</table>
MEMORANDUM

To: Joshua Meisel and Erick Eschker

From: Steven A. Smith
Dean

Re: The Humboldt Institute for Interdisciplinary Marijuana Research (HIIMR) Date:
April 12, 2012

I am pleased to offer the support of the College of Natural Resources and Sciences to the establishment of the Humboldt Institute for Interdisciplinary Marijuana Research (HIIMR) at Humboldt State University. The rigorous scholarly study of marijuana is a legitimate enterprise that should be supported. While some of the more obvious avenues of research are the psychological, physiological, sociological, and economic impacts of marijuana use, production, and distribution, faculty in the College of Natural Resources and Sciences might contribute expertise that examines the wide array of environmental impacts that marijuana cultivation has on wildland habitats and ecosystems. The HIIMR should be well positioned to serve both as a clearinghouse for marijuana-related research and as a vehicle that promotes the interdisciplinary study of marijuana.

1 Harpst St. Arcata, California 95521-4957 • telephone (707) 826-3370 • fax (707) 826-3279
April 12, 2012

Robert A. Snyder, Vice President for Academic Affairs and Provost
Humboldt State University
1 Harpst Street
Arcata, CA 95521

Dear Bob,

It is with delight that I write this letter of support for Humboldt Institute for Interdisciplinary Marijuana Research (HIIMR or Institute). The HIIMR will provide much needed information required for legislature and funders to make informed decisions regarding the economic and social impact of this industry on the region and contribute towards the growing knowledge base for others to make policy and funding decisions at regional, state, and national levels.

HIIMR has wide interest among Humboldt State University (HSU) faculty and will provide HSU students practical research and internship opportunities. Faculty from departments of economics, sociology, biology, forestry, engineering, environmental science and management, psychology, social work and library special collections have participated in the formation of the Institute and will be co-directed by Dr. Erick Eckster, Professor of Economics and Dr. Josh Meisel, Assistant Professor of Sociology.

Given the central role the marijuana industry plays in local and regional economy, efforts to better understand the direct and indirect effects of the industry on the region’s economy and community will be valuable and provide our faculty and students ample practical and meaningful research and educational opportunities. In closing, I support the establishment of the Institute and look forward to discussing with the co-directors and others how the College of Professional Studies can support the success of the Institute.

Sincerely,

[Signature]

John Y. Lee

cc., Rhea Williamson, Dean, Office of Research
HUMBOLDT STATE UNIVERSITY
College of Arts, Humanities and Social Sciences
April 12, 2012

Professor Joshua Meisel, Department of Sociology
Professor Erick Eschker, Department of Economics
Humboldt State University
Arcata, CA

Dear Professors Meisel and Eschker,

I am writing this letter in support of your initiative to create the Humboldt Institute for Interdisciplinary Marijuana Research (HIIMR). The discussions I have had with Dr. Meisel have convinced me that scholarship in this area is sorely lacking and that the information that is available is difficult to find and needs to be aggregated in one clearing house. HSU is uniquely situated to be a leader in this effort due to the prominence of Marijuana in our local, albeit underground, economy, but also, and more importantly, the quality of our faculty and their commitment to interdisciplinary research and study. As a measure of support, the College of Arts, Humanities and Social Sciences has allocated $2,000 in start-up funding to assist you in establishing what I believe will become a pre-eminent research institute on the subject of Marijuana.

Sincerely,

[Signature]

Dr. Kenneth P. Ayoob, Dean
College of Arts, Humanities and Social Sciences
Humboldt State University
March 14, 2012

California State University, Sacramento
Department of Sociology
6000 J Street • 450 Amador Hall • Sacramento, CA 95819-6005
T (916) 278-6522 • F (916) 278-6281 • www.csus.edu/soc

Dean Rhea Williamson
Research and Sponsored Programs
Humboldt State University

Dean Williamson,

I would like to express my support for the creation of the Humboldt Institute for Interdisciplinary Marijuana Research (HIIMR). The social, political, and economic dimensions in this area are numerous and HIIMR will allow researchers within the CSU and beyond to connect with each other. Because my own research is in drug policy, I would welcome the opportunity to do collaborative research with the researchers at the HIIMR. The research that would come out of the HIIMR would also be highly valued by policy makers in the state of California, and perhaps even by those at the federal level. There is little research currently on the impact of the production and consumption of marijuana at the state level. With the creation of HIIMR, the California State University System will be at the forefront of research in this emerging area.

Sincerely,

Jennifer Murphy, Ph.D.
Assistant Professor of Sociology
California State University, Sacramento
murphyj@csus.edu
916-278-3616
APPENDIX B: GRANTS AND CONTRACTS FROM THE FEDERAL GOVERNMENT
<table>
<thead>
<tr>
<th>Sponsor, Program Title</th>
<th>Purpose of Program</th>
<th>Award Amount</th>
<th>Proposal Deadline/Notes</th>
<th>Website Addresses</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIH Scientific Meetings to Promote Scientific Research</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIH Medical Marijuana Research (partner with Rand)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIDA National Institute on Drug Abuse</td>
<td>Supports research studies that will assess social, behavioral, and public health impacts of medical marijuana use and policies</td>
<td>$500k up to five years</td>
<td>2/18/11</td>
<td><a href="http://www.drugabuse.gov/">http://www.drugabuse.gov/</a></td>
</tr>
<tr>
<td>Department of Health and Human Services Medical Marijuana Policy Research: Exploring Trends and Impacts (R01)</td>
<td>Supports rigorous, practitioner accessible research of leading, world class economic development practice that advances our understanding of economic development. Current funding priorities include proposals that enhance regional competitiveness by focusing on entrepreneurship and innovation strategies.</td>
<td>$100-400k</td>
<td></td>
<td><a href="https://www.cfda.gov/?s=program&amp;mode=form&amp;tab=step1&amp;id=bcdb55471775fae869202602295d890d">https://www.cfda.gov/?s=program&amp;mode=form&amp;tab=step1&amp;id=bcdb55471775fae869202602295d890d</a></td>
</tr>
<tr>
<td>National Science Foundation, Sociology</td>
<td>Supports basic research on all forms of human social organization -- societies, institutions, groups and demography -- and processes of individual and institutional change. Encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes.</td>
<td></td>
<td>1/15/12</td>
<td><a href="http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5369&amp;org=NSF&amp;sel_org=NSF&amp;from=fund">http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5369&amp;org=NSF&amp;sel_org=NSF&amp;from=fund</a></td>
</tr>
<tr>
<td>Sponsor, Program Title</td>
<td>Purpose of Program</td>
<td>Award Amount</td>
<td>Proposal Deadline/Notes</td>
<td>Website Addresses</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>--------------</td>
<td>--------------------------</td>
<td>-----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>National Science Foundation, Economics</td>
<td>Supports research designed to improve the understanding of the processes and institutions of the U.S. economy and of the world system. This program also strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior, including econometrics, economic history, environmental economics, finance, industrial organization, international economics, labor economics, macroeconomics, mathematical economics, and public finance.</td>
<td></td>
<td>1/18/12</td>
<td><a href="http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5437&amp;org=NSF&amp;sel_org=NSF&amp;from=fund">http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5437&amp;org=NSF&amp;sel_org=NSF&amp;from=fund</a></td>
</tr>
<tr>
<td>National Science Foundation, Political Science</td>
<td>Supports scientific research that advances knowledge and understanding of citizenship, government, and politics. Research proposals are expected to be theoretically motivated, conceptually precise, methodologically rigorous, and empirically oriented.</td>
<td></td>
<td>1/15/12</td>
<td><a href="http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5418&amp;org=NSF&amp;sel_org=NSF&amp;from=fund">http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5418&amp;org=NSF&amp;sel_org=NSF&amp;from=fund</a></td>
</tr>
<tr>
<td>National Science Foundation, Law and Social Science</td>
<td>Supports social scientific studies of law and law-like systems of rules, institutions, processes, and behaviors. These can include, but are not limited to, research designed to enhance the scientific understanding of the impact of law; human behavior and interactions as these relate to law; the dynamics of legal decision making; and the nature, sources, and consequences of variations and changes in legal institutions.</td>
<td></td>
<td>1/15/12</td>
<td><a href="http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5422">http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5422</a></td>
</tr>
</tbody>
</table>
APPENDIX C: GRANTS AND/OR GIFTS FROM NON-PROFIT ORGANIZATIONS AND FOUNDATIONS
<table>
<thead>
<tr>
<th>Foundation</th>
<th>Areas of Interest</th>
<th>Average Grant Size</th>
<th>Proposal Deadline</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>California Cannabis Coalition</td>
<td>No support for medical or scientific research; seeks lasting reforms and improvements in the way health and mental health services are delivered; mental health special initiative</td>
<td>$2M</td>
<td>Board meets quarterly</td>
<td></td>
</tr>
<tr>
<td>Robert Wood Johnson Foundation</td>
<td>The purpose of RWJF’s Public Health Law Research program is to answer such questions by building a field of research and practice in public health law.</td>
<td>Up to $100,000</td>
<td>Rolling</td>
<td>Public Health Law Research - Rapid-Response Grants</td>
</tr>
</tbody>
</table>