

Judith A. Kjelstrom

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Professional Appointments

- Oct 2017-present** **University of California, Davis**
- Academic Coordinator, Biotechnology Industry Immersion Course (MGT 290) for the Graduate School of Management
- Sept 2004-July 2018** **University of California, Davis**
- Director, UC Davis Biotechnology Program (Academic Coordinator III)
- 2000-2018** **University of California, Davis**
- Director of the Advanced Degree Program (ADP)
 - Lecturer (w/o salary) in Microbiology and MCB (Molecular & Cellular Biology)
 - Program Coordinator for the Designated Emphasis in Biotechnology (DEB) graduate program
- 2002-2017** **University of California, Davis**
- Program Coordinator, NIH NIGMS T32 Training Program in Biomolecular Technology.
- Sept 2013-2018** **University of California, Davis**
- Senior Personnel for the NIH Best Grant entitled FUTURE
- April 2006 -2014** **University of California, Davis**
- Co-director for Howard Hughes Medical Institute-Integrating Medicine into Basic Science (IMBS) Training Grant (25% salary buyout by School of Medicine)
- Oct 2001- Sept 2004** **University of California, Davis**
- Acting Director, UC Davis Biotechnology Program (Academic Coordinator II)
- April 1, 1999 – Oct. 2001** **University of California, Davis**
- Associate Director, UC Davis Biotechnology Program
- Sept 1998–1999** **University of California, Davis**
- Lecturer in Biological Sciences (appointment in Microbiology department)
 - Coordinated large lectures in Biological Sciences 1A (Cell & Molecular Biology) for 300-500 undergraduates. Received outstanding student evaluations as well as standing ovations on the last day of lecture. Nominated as Outstanding Student Advisor for 1998-99 term.
- 1997-1999** **American River College** **Sacramento, CA**
- Adjunct Biology Professor (full time temporary position) in Microbiology/Bacteriology as well as part-time positions in Human Anatomy & Physiology education. Received Outstanding student evaluations and peer reviews
 - Played a strong leadership role in the grant development and acquisition of the ED>Net Center for Applied Biological Technologies. The resulting *North Valley and Mountain Biotechnology Center* (housed at ARC) was the result. Also developed curriculum guidelines for an A.S. Degree Program in Biotechnology.

- Key author of a Calworks Grant Proposal to develop a Certificate Program: *Lab Assistant for Biotechnology or Health Care*. The project was funded.

1994-1998 Sierra College Rocklin, CA

- Adjunct Biology Professor - full time temporary position in Microbiology (sabbatical relief) as well as part-time positions in non-majors Biology and Human Anatomy & Physiology education.
- Received outstanding student evaluations and peer reviews.

1996 (Fall) California State University Sacramento, CA

- Adjunct Biology Professor – (Bio 20) Human Biology for non-majors. Received outstanding evaluations.

1994-1995 Cosumnes River College Placerville/ Folsom, CA

- Adjunct Biology Professor - Microbiology, non-majors Biology and Human Anatomy & Physiology education.
- Oversaw the creation of the Microbiology course at the Placerville campus, including lab equipment acquisition.

1993 University of California Davis, CA

- Staff Research Associate III - Bacteriology Laboratory Supervisor for CVDLS (now called CAHFS: California Animal Health and Food Safety) affiliated with the UCD School of Veterinary Medicine).

1986-1992 University of California Davis, CA

- PhD Graduate Student, Research Assistant, Teaching Assistant, and Tutor
- Tutor for Second Year Medical Students in Microbiology
- 1989-1990: Guest Lecturer in VMI (PMI) 127: Pathogenic Microbiology. Topics included: Sexually Transmitted Diseases and Urinary Tract Infections. Received outstanding evaluations.

1982-1985 Belleville Memorial Hospital Belleville, IL

- Clinical Microbiologist (Assistant Supervisor)
- Oversaw the In-service and Medical Technician training program
- Clinical expert in Bacteriology, Mycology and Mycobacteriology

1973-1977 UCD Medical Center-Pathology Sacramento, CA

- Medical Technologist (Clinical Laboratory Scientist) - Clinical Chemist in Special Procedures: Electrophoresis, RIA and Toxicology. Also rotated into General Chemistry and Urinalysis Departments.
- Oversight of the in-service and medical technology trainee education

Education

**1968–1972 California State University, Sacramento
B.S., Biological Sciences with a concentration in Clinical Laboratory Technology.**

- Graduated Summa Cum Laude
- Inducted into Phi Kappa Phi, national honor society

1972-1973 UC Davis School of Medical Technology Sacramento, CA

- Completion of internship in Medical Technology (Clinical Laboratory Science)
- Board certified by California (Dept. of Health Services) & National (ASCP)
- Maintain current license as a Clinical Laboratory Scientist, which requires a minimum of 12 hours on continuing medical education per year.

1986-1992 University of California, Davis

Ph.D. in Microbiology

- Dissertation: *Development of a Serological Fingerprint for the Diagnosis of Nocardial Infections.*
- Advisor: Blaine L. Beaman, Professor and Past Chair of Medical Microbiology and Immunology
- Graduated with Honors
- Inducted into Phi Sigma, national honor society in biological sciences

Summer:

1996, 1997 University of California, Davis

Biotechnology Program

- Completed two intensive courses in Biotechnology::
- *Introduction to Recombinant DNA*
- *Advanced Molecular Biology Institute*
- Programs funded by the National Science Foundation

Continuing Education

- Maintain California license as a **Clinical Laboratory Scientist (Medical Microbiology & Immunology specialty)**. Complete at least 12 hours of continuing medical education per year since 1985.
- 1999-2005 – completed ASCP's Tech Sample – Microbiology series and other ASCP and CMLT self-study exercises.
- 2006-2011 – completed ASCP's Lab Q – Generalist series, including microbiology, immunology and management
- 2008- **California Womens' Leadership Program** – (2 units) (EDU/559KA/1208) - University of San Diego, Division of Continuing Education as formal credit for California Issues and Trends Program of Leadership California.

**Program
Activities**

**Administration of multiple programs with the Biotechnology
Program: ADP, DEB, NIH BTP, etc.**

**Public Outreach on Biotechnology Research and Education
(selected):**

- June 27, 2018 – invited Business Perspectives Panelist for the Biomedical & Engineering Entrepreneurial Academy, offered by the GSM's Institute for Innovation and Entrepreneurship.
- April 23, 2018 – invited panelist for the 4th Annual UC Davis Postdoctoral Research Symposium on Leadership and Management
- Aug 2017 – invited speaker at Cell Marque (Merck) in Rocklin, CA for the Women in STEM Leadership Group.
- April 20, 2017- invited speaker for a PechaKucha Night Sacramento – Science Not Silence in support of the March for Science event at Uptown Studios, Sacramento, CA.
- June 2016 – invited presenter for the SIBER (Society of International Bioentrepreneurship Education and Research Conference at USF (hosted by Dr. Moira Gunn, president of SIBER for 2015-2016). Focus on the DEB graduate program.
- Sept 9, 2015 - invited to be a keynote speaker at the Oregon Bio 2015 Conference (#oregonbio2015) in Portland, Oregon on September 9th. In addition to the keynote entitled: *In Search of Opportunities – The 21st Century PhD Reality* and was on a breakout session panel: *Women in Science: Mentoring, Networking and the Work/Life Balance*.
- Feb 12, 2014 – provided testimony to the Assembly Select Committee on Biotechnology (led by Mullin). Represented UC Davis at the request of VC Harris Lewin). The effect of NIH sequestration on university research, education and innovation.
- Fall 2013 – selected as an **Inspiring Mentor** for the One UCDAVIS Banner Campaign.
<http://ucdavis.edu/one/stories/mentors/kjelstrom-sahota.html>
- Oct 17, 2013 – Dr. Kjelstrom was an invited speaker at Sac State's Career Explorations Series. Invited by Shannon Wells, Career Counselor and liaison for the College of NSM (on the recommendation of Dr. Jill Trainer, Dean of NSM). Topic: **Looking Deeply into Biotechnology?** (What is Biotechnology, educational programs and what types of careers are possible). 50 undergraduates in attendance.
- April 25, 2013 – Dr. Kjelstrom was an invited presenter to the **EDD** (Employment Development Department) **LMI** (Labor Market Institute) **Advisory Group** on the current status of biotechnology careers and the need for more entrepreneurial skills. "The 21st Century Needs Entrepreneurial Scientists"
- May 3, 2013 - Invited participant at a CHI Roundtable with Senator Jerry Hill (D. San Mateo) (the only academic present in a room of 25 industry CEOs and

VPs). Stressed the need to support academic-industry partnerships for STEM education to create a well trained workforce.

- April 25, 2013 – invited presentation to the EDD LMI (Economic Development Department – Labor Market Information) Advisory Group on the current status of biotechnology careers and the need for more entrepreneurial skills. “**The 21st Century Needs Entrepreneurial Scientists**” LMI manages and analysts were attendance too. Audience of 25 people... including representatives from Office of the Chancellor of Calif Community Colleges and California State Universities.
- April 2013 – contributor to Biotechnology in California (EDD) website. Section on the Need for other skills besides technical skills (pg 15). Worked with Joyce Lee, LMI research analyst.
- Feb 8, 2012 – invited speaker and introduced the keynote, Percival Barretto Ko for the California Biomedical Innovation Night (annual event by California Healthcare Institute and Bay Bio) for industry leaders and state legislators. Focus on STEM education. Also was featured on the CHI blog:
<http://californiahealthcareinstitute.blogspot.com/2012/02/speaker-spotlight-judith-kjelstrom-phd.html>

Training Grants:.

- June 2016-2020 – senior personnel for California Institute for Regenerative Medicine (CIRM) **SPARK Award**. CIRM EDUC3-08407 – summer research experience in stem cell biology and clinical medicine for TBC winners (high school students). A collaboration with the ICR in the SOM. \$398,750, 06/01/2016 - 05/31/2020, PI: Gerhard Bauer, Collaborators: J. Nolta, J. Kjelstrom and D. Jamison-McClung.
- Sept 2013-2018 – senior personnel and co-author for the NIH BEST grant entitled **FUTURE** [Frontiers of University Training to Unlock the Research Enterprise] directed by Meyer (UCD-SOM), Berglund (UCD-SOM) and Hargadon (UCD-GSM).. (5-10% salary offset).
- 2002-2017 – In 2007, received a 5yr competitive renewal of the **NIH-NIGMS-T32 Training Grant in Biomolecular Technology** #T32GM008799 (Bruce Hammock, director). Listed as senior personnel (Program Coordinator). Active in recruitment efforts for URM (Underrepresented Minority) students. \$153K/yr
- April 2012 - senior personnel on UC Davis RISE proposals: Center for Translational Bioscience and Computing (CTBC) - Center director, Randen Patterson) and CREATE RISE (Center director, Abhaya Dandekar). (not funded)
- 2012 -Center for Translational Bioscience and Computing (CTBC). Role: co-lead the educational and training core. 3yr budget of \$785K. (not funded)

- 2012 – senior personnel for Collaborative Research and Education in Agricultural Technologies and Engineering – Research Investments in Science and Engineering Center (CREATE-RISE Center). \$1M for 3 yrs. (not funded).
- 2007-2017 - Secured two industry matches (~\$45K per year) as well as 3 administration matches (~\$120K per year) in addition to assisting in the writing of the proposal. **Serve as the PI for the Monsanto and Novozyme biotechnology grants.**
- July 2009-11: received the NIH ARRA supplemental award 3T32GM008799-08S1,"SPOProject Number 200911250 to fund an additional \$30K fellowship.
- Jan 2012-2014 - **CIRM Creativity Award Proposal.** Partnership with the School of Medicine's Institute of Regenerative Cures (Jan Nolta and Gerhard Bauer). Senior Personnel (2% effort). Summer research experiences for 10 high school students, who were winners of the Teen Biotech Challenge. April 2012- Funded for \$264 K (2012-2014)
- 2011- part of the team in the development and writing of NSF Pre-proposal for a Science & Technology Center-CREATE STC. Abhaya Dandekar, PI. Listed as the Education Core Director (not selected to submit fill proposal).
- 2010- present - PI status for the Monsanto Fellowship award from 2007-present. \$30K per yr.
- 2009 – **UC DAVIS CANCER NANOTHERAPEUTICS CENTER: TARGETING, IMAGING AND IMMUNOTHERAPY** (Director: Kit Lam) Proposal to NIH-NCI Centers of Cancer Nanotechnology Excellence. Proposed Co-director of the Education Core. \$10.6M (5 yr grant) Proposal Not funded, but education core received high marks.
- Nov 2008 – **Center for Green Nanotechnology (CGN)** STC preproposal to NSF. Director: Kent Pinkerton). \$25M for 5yrs. Co-director of the education, training and outreach core (5% effort). Not selected for full proposal submission.
- March 2008 – **Center for Environmental Implications of Nanotechnology (CEIN)** proposal to NSF (Director: Kent Pinkerton). \$10M for 5yrs. Co-director of the Education Core (5% effort). Made the top 3 finalists but not funded.
- March 2006-2014 - Co-director for **Howard Hughes Medical Institute-Integrating Medicine into Basic Science (IMBS) Training Grant, *Med into Grad* Grant # HHMI-56005706.** Competitive renewal submitted in May 2009 (Dr. Fredrick Meyers, director) and was funded for another 4 yrs. Received the highest score of all applicants. \$900K over 4 yrs. Oversaw the recruitment and application review of 30- 50 applicants per year.

- August 2008-2013 – Senior Personnel on the "**UC Davis-China Infectious Diseases Research Training Program**" (NIH 1D43TW007887-01A1; Katherine De Reimer, PI). No funding. 5% effort
- August 2007- July 2012 - Senior Personnel and member of the executive committee on the NSF **CREATE** (Collaborative Research and Education in Agricultural Technologies and Engineering) **IGERT** Training Grant (Karen McDonald, PI). #DGE-0653984. \$ 3M over 4yrs. CREATE Fellows will also be members of the Designated Emphasis in Biotechnology. Program. Program coordination will be housed in the Biotechnology program. **Selected by campus to submit a Competitive Renewal in July 2012.** (Dec 2012-not funded due to lack of NSF funds)
- April 2006-09 - **Applied Biotechnology Training for the High School Classroom** (joint project with American River College: O'Neal, PI; Kjelstrom, Co-PI (DUE-0603481). (4% effort). Award of \$391,585.00. Completed
- April 2003-07 – Co-PI for "**Functional Genomics and Bioinformatics for Community College Faculty.**" (DUE-0302940) [joint project with American River College]. Award (4% effort). Amount of \$262,883. Jeffery K. O'Neal (PI). Completed
- April 2000-03 - Co-principal Investigator for the NSF-ATE grant: **Tools to Teach Molecular Biology and Bioinformatics** to Community College Teachers (DUE-0053291). Prof. George Bruening, Plant Pathology (PI). Co-developed the bioinformatics course. Award of \$250,000. Completed.

TEACHING:

MGT 290: Biotechnology Industry Immersion (winter 2018)

- Academic Coordinator for the inaugural course. <https://gsm.ucdavis.edu/biotech>
- Identified and invited industry speakers to present case-studies.
- Teams of MBA students and PhD students in STEM disciplines analyzed the case studies then presented solutions.
- Received excellent evaluations

MCB(DEB)/ECH 294: Current Program in Biotechnology (F/W/Spr)

- 2000-present –co-lead instructor (academic coordinator) for the weekly graduate seminar. Identify speakers, invite speakers and arrange for travel and lodging, if needed.
- Coordinate lunch and meetings with interested faculty and students after the seminar.
- Receive outstanding evaluations every quarter (included in packet)

MIC 292: From Discovery to Product: An Introduction to Biotechnology at the Industrial Level (offered even years, winter)

- 2000-present

- Academic Coordinator (lecturer)
- Joint project with Novozymes, Inc. in Davis, CA.
- Dr. Debbie Yaver, managing director is the lead partner.
- Along with weekly graduate seminars from scientists and engineers, we arrange a tour of the company.
- Receive outstanding evaluations (2008 evaluations included in packet).

Guest Lecturer for the HHMI-IMBS Training Program (curriculum for the DETR: Designated Emphasis in Translational Research)

- 2007-2012 (spring quarter)
- Topic: Academic-Industry partnerships
- Receive excellent evaluations

Faculty Mentor for an International Student from Denmark - 2012

- Pernille Neve Peterson – Undergraduate, University of Copenhagen, who was the winner of the Danish Young Scientist contest. Her prize was a summer internship at Novozymes. She also wanted to study abroad at UC Davis for 2012 to learn more about biotechnology.
- Oversaw her education in biotechnology (MCB 294 and MIC 292)
- Exposed her to current issues in biotechnology through MCB 294 and MIC 292 as well as personal communications.

PUBLIC SERVICE:

Committees (Selected)

- 2014-Present – invited to serve on the UC Davis Health System's CLS (Clinical Laboratory Science) Advisory committee.
- July 2014 – present - invited to chair the Education Committee for the Powerhouse Science Center.
- Spring 2014 –present: selected to serve on Goldwater and Churchill Scholarship Committee at UCD (Prestigious Scholarships)
- 2013-2017- academic term: Served on 10 peer review committees for Academic Federation members, Chaired 6 of these committees.
- 2013-present – wrote 35 letters of recommendations for students (fellowships, medical school, etc.). Provided 40 phone references for DEB graduates who were seeking industry positions or post-doctoral positions.
- June 13, 2013 – Represented Leadership California and UCD for a 100 Women Initiative -State Department visit of LGBT group from Republic of Georgia at SOIR at State Capitol. Discussed health care and support of diversity.
- October 25, 2012- invited to be member of the Advisory Group for the Labor Market Information (LMI) division of Employment Development Department (EDD) for the State of California. Assisted in the updating of the biotechnology career section of the Occupational Guides.

- Member of the Executive Board of Directors (Secretary) for the Powerhouse Science Center. July 2012-present
- Member of the Organizing Committee for a Biosimilars Panel. MIND Institute. UCD Davis Med Center. Feb 9, 2012. Invited two of the UC Davis faculty panelists (Dr. Michael Rogawski and Prof. Heike Wulff and the welcome (Dr. Lars Berglund, Associate Dean of the SOM) and coordinated the talking points. 40 in attendance.
- Member, Leadership California Board Development Committee. Fall 2011.
- Appointed to the Academic Series Personnel Committee (ASPC) of the Academic Federation (AF). Sept 2009-11. Served as Chair for 2010-11.
- Member, Academic Federation Executive Council 2010-11.
- Member of the YIP (Youth Incentive Program) Committee for the Sacramento Rotary, 2011-present. 2012- selected to be a mentor for a Cal Middle School student from a disadvantaged home. Serve as mentor for the student to prepare the student to enter college and receive a YIP scholarship.
- Reviewer for the Monsanto Endowed Student Fund in Agricultural Biotechnology Scholarship. Jan 2011 and Jan 2102. The award is intended for a UC Davis graduate student of academic merit and exceptional promise preparing for a career in biotechnology.
- Member, Phaff Yeast Culture Collection Internal Advisory Board, UC Davis. Dec 2010-present
- Member, Sacramento State Community Council - Advisor for President Alexander Gonzalez. March 2009-present
- Academic Federation Peer Review Committee for Academic Coordinators/Academic Administrators Merits and Promotions (2000-present). Jan 2009 - served as chair of a peer review committee for a colleague.
- Chair, Regents Scholarship Administrative Advisory Committee 2008-2010. Member – 2000-2012.
- Vice Chair, Institutional Biosafety Committee 2004-2011. Member: 2000-2011.
- Academic Federation Member of the Academic Senate Graduate Council - Program Review Subcommittee 2006 - 2009.
- Representative to Academic Senate Committee. 2005-2006.
- UC Davis Seed Biotechnology Center (SBC) University Partner. <http://www.seedquest.com/people/abc/k/KjelstromJudith.htm>. 2008-present.
- Selection committee for the Monsanto Scholarships (\$3000 each). An Endowed Student Fund in Agricultural Biotechnology was established in 1996 as part of the Students First Campaign. Jan 2008 -present.
- Selection committee for the Gamma Sigma Delta Honor Society Undergraduate Scholarships (\$500 each). Nov 2008-2011.
- Robert and Margit Mondavi Center for the Performing Arts – director level member of the Inner Circle (2008-09) and Encore (2009-2010). Member since the grand opening in 2002.

- Alumni Donor to the UC Davis College of Biological Science (2002-present). \$1000 donation to the Science Laboratory Building in 2002.
- Member of the Biotech Academy Advisory Committee at Sheldon High School in Elk Grove, CA. (funded through a California Partnership Grant). 2008-present.
- Co-founder & Advisory Board Member of BioTECH SYSTEM (July 2005-present).
- Founding Member of the Education Program Review for the NSF Center of Biophotonics Science and Technology (2005-2009).
- Founding Board Member on the BioTechnica America 2003 Board of Advisors to assist Hannover Fairs USA in the development, planning and implementation of a global biotechnology conference (July 2002-03).
- Board Member of SARTA (Sacramento Area Regional Technology Alliance) (2003-2016). Served on the biotechnology subcommittee, clean energy and events committees.
- Member of the Executive committee for the California Institute of Food and Agricultural Research (CIFAR) (Sept 2003-present).
- University Council Member for AgrowKnowledge (the national center for agrisciences and technology education for community colleges; funded by NSF-ATE) (2002 – 2005)*.
- Member of Biotechnology Advisory Boards - North Valley Biotechnology Center (housed at American River College) as well as Solano College, Northern California Biotechnology Center, Merced Community College, Woodland Community College, Vacaville High School, Enochs High School, Sheldon High School and Davis Senior High School (2000-present).

Invited Presentations (2012-2018)

- June 27, 2018 – invited Business Perspectives Panelist for the Biomedical & Engineering Entrepreneurial Academy, offered by the GSM's Institute for Innovation and Entrepreneurship.
- April 23, 2018 – invited panelist for the 4th Annual UC Davis Postdoctoral Research Symposium on Leadership and Management
- Aug 2017 – invited speaker at Cell Marque (Merck) in Rocklin, CA for the Women in STEM Leadership Group.
- April 20, 2017- invited speaker for a PechaKucha Night Sacramento – Science Not Silence in support of the March for Science event at Uptown Studios, Sacramento, CA.
- June 2016 – invited presenter for the SIBER (Society of International Bioentrepreneurship Education and Research Conference at USF (hosted by Dr. Moira Gunn, president of SIBER for 2015-2016). Focus on the DEB graduate program.

- May 13, 2014 - Testimony at State Capitol (Assembly Committee) in support of AB 422 to strengthen STEM education programs (both formal and informal learning)
- Feb 12, 2014 – testimony to the Assembly Select Committee on Biotechnology (led by Mullin). Represented UC Davis (requested by Harris Lewin). The effect of NIH sequestration on university research, education and innovation
- Feb 2014 – Testimony to Select Committee on Biotechnology on Impact of Sequestration. On NIH funding for biomedical research.
- Aug 7, 2013 – Invited panelist for WITI (Women in Technology) Sacramento Chapter event on Women Entrepreneurship. Spoke about the DEB graduate program as well as my personal journey 60 women in tech attended
- Aug 3, 2013- invited presenter for the 5th Annual WIGU (When I Grow Up) event for children with heart ailments at the Mind Institute. Organized by Kimberly Kaufman, founder of Angels for Hearts. She too survived a congenital heart ailment. Recruited 8 DEB grad students to participate in the event focused on being a scientist
- June 1, 2013 – Represented Leadership California and UCD for a 100 Women Initiative -State Department visit of five members of a LGBT group from Republic of Georgia at SOIR at State Capitol. Discussed health care and support of diversity .
- June 11, 2013 – **Invited panelist** for Speed Dating Session for UC Davis’s PIPRA **Technology Licensing Academy**. Focus on student recruitment and engagement. 40 participants from academic institutions from Southeast Asia, Central and South America. Shared information on the DEB graduate education program which exposes students to entrepreneurship and industry.
- February 6, 2013 – keynote speaker for the **STEM Speaker series** at Canada College in Redwood City, Ca. Attendance: ~ 70 community college students, including MESA students
- November 8, 2012 – keynote speaker for **Dinner with a Scientist** banquet for 400 middle school students and their teachers (hosted by Powerhouse Science Center and UC Davis School of Education- Sacramento Area Science Project).
- October 4, 2012 – invited speaker for the **UCCS (UC Center, Sacramento) public policy seminar series** for UC faculty and graduate students, state legislators and staff. Title: “The 21st Century Needs Entrepreneurial Scientist and Engineers” Topic: Innovative graduate education in biotechnology-related research can lead to entrepreneurs and new businesses. `30 in attendance.
- September 22, 2012 – invited speaker for the **Cal NERDS Women’s STEM Conference** at UC Berkeley for 40 undergraduates (URM and disadvantaged)

- women). Title: Maximizing Your Full Potential as a Woman Scientist or Engineer.”
- June 15-16, 2012 – invited speaker: the **First International Bioentrepreneurship Conference at Johns Hopkins University**, Montgomery County campus in Maryland. About 25 educators in attendance. Topic: The DEB graduate program and partners in the Graduate School of Management.
 - March 4, 2012. Invited speaker: Session I of the **California Issues & Trends Program** of Leadership California. Topic: Women Leadership. Over 50 attendees. Sacramento, CA.
 - Feb 8, 2012. **Speaker and keynote speaker introductions** (Percival Barretto Ko). California Biomedical Innovation Night. Focus on STEM education. Sacramento CA. Sponsored by CHI and BayBio. over 100 in attendance including CEOs of biotech companies and State legislators. Interviewed on CHI blog: <http://californiahealthcareinstitute.blogspot.com/2012/02/speaker-spotlight-judith-kjelstrom-phd.html>

Honors/ Profession Organizations

- 1) Associate Member of American Society of Clinical Pathologists (ASCP) 1973-present;
- 2) ASCP Recognition Award for Outstanding Continuing Medical Laboratory Education (awarded for 5 consecutive 3-yr terms: 1988-2000);
- 3) Member of the American Society of Microbiology (ASM) 1985-present;
- 4) Member of Phi Sigma Honor Society for Biological Sciences, UC Davis Chapter, 1988-present;
- 5) Life Member of Phi Kappa Phi (National Honor Society), 1972-present;
- 6) Recipient of the William David Hart Memorial Scholarship (at Sac State Univ.) merit based, 1969
- 7) Life Member of CSU, Sacramento and UCD Alumni Associations, 1992-present;
- 8) Member of the Association of Women in Science (AWIS), 1999-present;
- 9) Associate Member of the UC Davis Cancer Center, 2000-present;
- 10) Member of Gamma Sigma Delta-Davis Chapter: an Honor Society in Agriculture, 2000-present (served as President from 2008-10);
- 11) Board Member of SARTA (Sacramento Regional Technology Alliance), 2002-present;
- 12) Member of Sacramento Advocates for Girls' Empowerment (SAGE), 2002-2014;
- 13) Member of MentorNet (mentoring through emails) 2004-present;
- 14) Founding Member of BioTech SYSTEM (a regional biotechnology consortium for training, education and mentoring for middle/high school teachers & students); 2005-present;
- 15) Consulting Partner in Velocity Ventures (a venture capital fund for early stage technology start-up companies in the Sacramento region). 2008-2010
- 16) Member of the 2008 California Issues & Trends (CIT) class of Leadership California <http://www.leadershipcalifornia.org>

- 17) Co-chair of the Sacramento Regional Council for Leadership California 2009-present. 2011-invited to be on the Board Development Committee.
- 18) Seed Biotechnology Center University Partner, 2008-present;
- 19) Associate Member of PALCUS (The Portuguese-American Leadership Council of the U.S.); 2008-present;
- 20) Member of the National Association of Professional Women (NAPW), 2008-2014;
- 21) Selected as a member of Sacramento State Community Council for the President, 2009-2014;
- 22) Accepted as a Member, Rotary Club of Sacramento, Nov 2009 – present;
- 23) Selected to be a member of the Education Action Team, Powerhouse Science Center Project in Sacramento, 2011-2012.
- 24) 2011- Elected to the Powerhouse Science Center Board of Directors. Subsequently elected to the Executive Committee as Secretary. Focus on building a state of the art science center near Old town, Sacramento. 2014 - selected as chair of the Education Committee.in addition to other duties. May 2018 – Member of the Groundbreaking Team for the new building on the Sacramento Riverfront.
- 25) July 2012- The Biotechnology Program was invited to partner with the Powerhouse Science Center in establish an Informal Science Education Institution (ISE) – it will be one of only 12 programs in the Portal to the Public National Network.
- 26) Member of the *Hands Up for Hooters* Team in the Sacramento Region to raise money for Breast Cancer Research by completing the Komen 3Day walk in San Diego. Completed the 60 miler in 2015, 2016 and 2017 and the team raise over \$500,000 since 2017. Currently training for the 2018 Komen 3Day. Breast Cancer survivor.
- 27) 2015 – Academic Federation Recipient of the UC Davis Chancellor's Achievement Award for promoting diversity in STEM education with a special focus on women.
- 28) Sept 2015 –Keynote speaker on innovation in graduate education and panelist for women in tech leadership for the 2015 Oregon BIO Conference in Portland, Ore.
- 29) April 2016 – invited to serve as a panelist for the Women Mentoring Women in Tech in Sacramento.
- 30) June 2016 – Sacramento Business Journal's "Women Who Mean Business" Honoree.
- 31) June 2016 – Invited presenter for the SIBER (Society of International Bioentrepreneurship Education and Research Conference at USF (hosted by Dr. Moira Gunn, president of SIBER for 2015-2016).
- 32) October 2016 – Recipient of a Champion Award from the GSM's Institute of Innovation and Entrepreneurship (10 year celebration).
- 33) April 2017 – invited to be mentor/coach for the Sacramento Business Journal's "Bizwomen Mentoring Monday".
- 34) Jan 2018 – Founding Member of WomenUp Network (womenupnetwork.com) in Sacramento. A mentoring and coaching organization for professional women.
- 34) April 23, 2018 – invited panelist for a workshop on leadership and management for the Post-doc Symposium at UC Davis.
- 35) June 2018 – invited panelist for the Business Perspective Panel for the Biomedical and Engineering Academy at UC Davis

- 36) July 2018 -awarded emerita status upon retirement as director of the Biotechnology Program.
- 37) July 2018 – received the James H. Meyer Award for 2018.
- 38) Dec 2018 – Marshal for UC Davis Fall Commencement. Carried the mace of the College of Biological Sciences

Publications

- Oct 2017 – D. Jamison-McClung and **J. A. Kjelstrom**. A Cross-Disciplinary Doctoral Emphasis in Bioentrepreneurship: A Case Study of the UC Davis Biotechnology Program, *Technology Transfer and Entrepreneurship Journal: Special Issue on Bioentrepreneurship Journal of Bioentrepreneurship*. Bentham Science Pub. v. 4, n. 1, pp 99-104.
- Oct. 2012 – **Judith A. Kjelstrom**, Karen McDonald, Andrew Hargadon, Wilton Agatstein⁴ and Meg Arnold. *The University of California, Davis, Collaborative Model for Biotechnology Education and Training*. *Journal of Commercial Biotechnology*. Vol 18:4. pp87-97.
 - The University of California, Davis (UC Davis) has created a collaborative model for biotechnology education and training, which enables entrepreneurial researchers to move innovations into the marketplace
- March 2008 – **Judith A. Kjelstrom** and Denneal Jamison-McClung co-authored a chapter on UC Davis Biotechnology Programs *in Best Practices in Biotechnology Education* (Yali Friedman, editor) Logos-Press. pp 85-112.
- 1998. **Kjelstrom, J. A.** . Chapter 2: The Infectious Disease Process *in Essential of Diagnostic Microbiology*. Shimeld, L. (ed). Delmar Pub. Co. New York. pp 23-37.
- 1994. **Kjelstrom, J. A.** Laboratory Exercises in Microbiology. In House Press. American River College
- 1995. Hubble, J.P., T. Cao, **J.A. Kjelstrom**, W. C. Koller and B.L. Beaman. *Nocardia* species as an etiologic agent in Parkinson's disease: serological testing in a case-control study. *Journal of Clinical Microbiology*.33(10):2768-9.
- 1994. Beaman, B. L., L. Beaman, **J. A. Kjelstrom** and S. Ogata. Bacteria and Neurodegeneration, *in Neurodegenerative Diseases*. Calne, D. (ed.). W. B. Saunders Pub. Co., Philadelphia, PA. pgs. 319-339.
- 1993. **Kjelstrom, J. A.** and B. L. Beaman. Development of a serological panel for the recognition of nocardial infections in a murine model. *Diagnostic Microbiology and Infectious Disease*. 16(4): 291-301.
- 8/1991. **Kjelstrom, J. A.** and B. L. Beaman. Poster Presentation at the International symposium on biology of Actinomycetes (ISBA). Abstract # P3-020. Development of a serological fingerprint for the diagnosis of nocardial infections, with emphasis on infections of the brain.

Reviewer/Editor:

Jan 2014 Reviewer for biotech curriculum for a Master's Degree program. Requested by Dr. Saif Ahmad, Department of Biotechnology, College of Science and Arts, King Abdulaziz University, Rabigh, Saudi Arabia. The edits and comments were well received by the Dean of the College.

2011-12 Reviewer for two journal submissions on bioentrepreneurship to the Journal of Commercial Biotechnology

Nov 2008 Grant reviewer for Canada's Natural Sciences and Engineering Research Council (NSERC) "Collaborative Research & Training Experience" (CREATE) program to expand the range of education experiences available to undergraduate students, graduate students, and Post-doctoral Fellows. Reviewed a "Bioenergy & Bioproducts Research Training Program".

Aug 2008 Grant reviewer for North Carolina Biotechnology Center Education Grants.

Jan 2008 Reviewer for the *Amgen Monograph III – Biologics and Other Biotechnology-Related Agents Major Trends*

Dec 2003 Project reviewer of *Nutrigenomics: Concepts and Technologies*, edited by Kaput and Rodriguez (Wiley-Intersciences).

Dec 2003 Contributor to the Biotechnology chapter new edition of the introductory text; *Plant Biology* by Rost, et. al. In addition to editing and offering suggestions for updates, I created a sidebar section on RNA interference.

2001 Editor for three units and contributor to test bank for Prentice Hall: Scott Freeman's Biological Sciences.

Feb 2001 Editorial Committee for the California Foundation for Agriculture in the Classroom's Educational Resource: "From Genes to Jeans" for grades 7-9.

Jan 2002 Reviewer for a DANR publication: *Production of Therapeutic Proteins in Plants* by Kent Bradford and Bruce Thomas.

July 2002 An editor and informational contact person for the CA&ES brochure on Agricultural Biotechnology – What are the Issues?

Interviews for Publications:

Dec2017: Featured in the Office of Research Newsletter: **Biotechnology Program at UC Davis Has Been Connecting Students with Industry for 20 Years** by Lisa

Howard.. <http://research.ucdavis.edu/biotechnology-program/>

- Mar 2012** Interviewed by Linda Wang from C&EN. Volume 90 Issue 24 | pp. 49-51. Issue Date: June 11, 2012 | Web Date: June 12, 2012. *Closing The Skills Gap* (Biotech jobs are going begging because new Ph.D.s lack the industry experience that companies want).
<http://cen.acs.org/articles/90/i24/Closing-Skills-Gap.html>
- Feb 2012** Interviewed by CHI staff for the CA Biomedical Innovation Night blog.
<http://californiahealthcareinstitute.blogspot.com/2012/02/speaker-spotlight-judith-kjelstrom-phd.html>
- Jan 2012** Interviewed by Clifford S. Mintz, PhD from Science Careers Magazine for an article on how the DEB's internships help students gain real world skills.
http://sciencecareers.sciencemag.org/career_magazine/previous_issues/articles/2012_03_09/caredit.a1200029
- Oct 2009** Interviewed by Christi Whittmore, CHI writer for an article on the UC Davis Biotechnology Program for the 2010 California Biomedical Industry Report.
- July 2009** Interviewed by AAAS for special article on Entrepreneurship. Venturing In New Ventures by Carol Milano in Science.
http://sciencecareers.sciencemag.org/career_magazine/previous_issues/articles/2009_07_17/science.opms.r0900074
- Mar 2008** Featured in a Nature's career profile section on biotech education.
<http://www.nature.com/nrd/journal/v7/n3/full/nrd2542.html>
- Nov. 2008** Was quoted in the Journal of Commercial Biotechnology. Creating alternatives in science by Nicole Guimond Gravagna, University of Colorado, Denver. *Journal of Commercial Biotechnology* (2009) 15, 161 – 170.
- Aug. 2003** Profiled in the Sacramento Business Journal: Discussed biotechnology education programs at UC Davis.
http://www.bizjournals.com/industries/health_care/biotechnology/2003/08/11/sacramento_focus3.html