

HEATHER KARNER, PhD

heather.karner@outlook.com | [HK Website](#) | [Google Scholar](#) | [ORCID](#) | [LinkedIn](#)

PROFILE

I am a **cancer systems biologist** studying how post-transcriptional regulatory networks shape mRNA stability, metastasis, and treatment response in cancer. My research combines transcriptome-wide SLAM-seq, CLIP-seq, and CRISPR technologies to map RBP–RNA interactions and test how these networks change during metastasis and treatment response. My work also prioritizes the use of ancestrally and genetically diverse breast cancer models to better capture the biology of the patients most affected by the disease. Across UCSF, UCI, and UCLA, I have managed, mentored, and trained more than 25 scientists and trainees across career stages, including undergraduate, graduate, medical, and postdoctoral researchers, and maintained continuous NIH funding since 2020 during my time at UCSF.

EDUCATION

PhD in Biological Sciences

Sept 2013 – Nov 2019

Department of Developmental and Cell Biology

University of California Irvine

Dissertation: Functional Characterization of Human LncRNA JPX

Advisor: Dr. Sha Sun

BS in Microbiology, Immunology, and Molecular Genetics

Sept 2005 – Mar 2010

Department of Microbiology, Immunology, and Molecular Genetics

University of California Los Angeles

RESEARCH EXPERIENCE

Independent Scientific Practice & Education | Jan 2026 – Present

Jan 2026 – Present

- Advise researchers and founders in the life sciences on integrating AI into their research, writing, and operational workflows through one-on-one consulting and group workshops.
- Built and shared a multi-stage scientific writing pipeline spanning manuscript refinement, adversarial logic critique, citation and reproducibility checks, and statistics review, with explicit guardrails against misrepresentation; adopted independently by colleagues beyond the original engagement.
- Designed and delivered AI learning programs translating generative AI and agentic tools into practical, adoptable workflows for technical and non-technical researchers.

University of California San Francisco (UCSF) & Arc Institute

Nov 2019 – Present

Research Affiliate | UCSF & Arc Institute | Jan 2026 – Present

Laboratory of Dr. Hani Goodarzi

- Finalizing multi-institutional CLIP manuscript (UCSF & Arc Institute), contributing to manuscript writing, figure generation, and scientific interpretation (manuscript in preparation)
- Completed final submission revision of the RBMS3 stability-profiling manuscript (co-first author), contributing to writing, figure finalization, and peer review response; published in *Science Advances* (March 2026)
- Maintain active lab affiliation through weekly meetings and on-site collaboration

Postdoctoral Scholar | Department of Biochemistry and Biophysics | UCSF | Nov 2019 – Jan 2026

Laboratory of Dr. Hani Goodarzi

- Designed the amplicon-based library prep for a targeted CLIP-seq platform and contributed to development of the base CLIP-seq method with computational and ML teams to profile RBP binding sites and binding properties, improving resolution and signal-to-noise relative to prior CLIP workflows (manuscript in preparation).
- Spearheaded discovery of RBMS3 as an mRNA stability regulator and metastasis suppressor in breast cancer through stability profiling across 6 cancer models and comprehensive validation in 2 cell lines, 3 mouse models, and patient cohorts; established RBMS3 as a potential prognostic biomarker (co-first author, *Science Advances* 2026).
- Led translational validation of RiboStrike, a graph-based deep learning platform for miRNA-targeted drug discovery; tested 8 miR-21-targeting small molecules, validated 3 candidates through reporter assays and RNA-seq, and demonstrated reduced lung metastases in breast cancer xenograft models (co-first author, *Patterns* 2024).
- Became the primary trainer and protocol custodian for CLIP-seq after the lab's protocol lead departed, writing and evolving SOPs and enabling adoption across multiple collaborating labs nationwide.
- Managed and mentored 4 undergraduate, graduate, and medical trainees, advancing their technical skills and scientific communication.

University of California Irvine (UCI)

Sept 2013 – Nov 2019

Graduate Scientist | Department of Developmental and Cell Biology

Laboratory of Dr. Sha Sun

- Initiated and led 3 interdisciplinary lncRNA projects investigating X chromosome inactivation and cancer mechanisms across diverse biological contexts, contributing to publications in *Scientific Reports*, *JMB*, and *PNAS*.
- Demonstrated that human JPX lncRNA is functionally conserved despite sequence and structural divergence from mouse *Jpx*, binding CTCF more robustly than mouse *Jpx* (first author, featured article with cover art, *Journal of Molecular Biology* 2020).
- Launched a project investigating JPX and XIST downregulation in ovarian cancer, securing lab funding and establishing the foundation for a *PNAS* publication revealing that XIST loss unlocks stemness and cellular plasticity in ovarian cancer (co-author, *PNAS* 2024).
- Managed and mentored 6 undergraduate research students across multiple projects, advancing their technical skills and scientific communication.
- Developed and delivered professional development workshops for new TAs across the Schools of Biological Sciences and Engineering as Pedagogical Fellow, co-designed graduate professional development curriculum, and created original learning materials for multiple biology courses.

University of California Los Angeles (UCLA)

May 2011 – May 2013

Staff Research Associate | Department of Neurosurgery

Laboratory of Dr. Isaac Yang

- Established operational infrastructure for a new lab within 1 month, enabling wet lab and *in vivo* research; maintained compliance workflows for controlled substances; and contributed to grant writing and publication submissions.
- Evaluated vault nanoparticles as brain cancer immunotherapy delivery vehicles, supporting preclinical feasibility studies.
- Conducted *in vivo* studies characterizing CD133+ cancer stem-like cells in mouse glioblastoma models, demonstrating tumor-initiating capacity upon implantation.
- Maintained training records and compliance documentation for 17 personnel, passing all institutional inspections.
- Managed and mentored 15 undergraduate and medical students, advancing their technical skills and scientific communication.

Note: Last name changed from [Garcia](#) to [Karner](#) in 2013 | †Co-first authorship

(In Preparation)

1. Karimzadeh M†, **Karner H†**, Fish L†, Emadi A, Leonetti M, Kelley D, Najafabadi HS, Linder J, Goodarzi H. (In Prep) A high-resolution protein-RNA binding atlas for structure-aware interaction prediction and post-transcriptional regulatory modeling. **(Co-First Author)**

(Published)

1. **Karner H†**, Mittmann TC†, Chen VW, Borah AA, Langen A, Yousefi H, Fish L, Zaro BW, Navickas A, Goodarzi H. (2026). Integrative analysis of mRNA stability regulation uncovers a metastasis-suppressive program in breast cancer. *Science Advances* 12, eaea9061. <https://doi.org/10.1126/sciadv.aea9061>. **(Co-First Author)**
2. Woo BJ†, Moussavi-Baygi R†, **Karner H†**, Karimzadeh M, Yousefi H, Lee S, Garcia K, Joshi T, Yin K, Navickas A, Gilbert L, Wang B, Asgharian H, Feng F, Goodarzi H. (2024). Integrative identification of non-coding regulatory regions driving metastatic prostate cancer. *Cell Rep.* 43, 114764. <https://doi.org/10.1016/j.celrep.2024.114764>. **(Co-First Author)**
3. Keshavarzi Arshadi A†, Salem M†, **Karner H†**, Garcia K, Arab A, Yuan JS, Goodarzi H. (2024). Functional microRNA-targeting drug discovery by graph-based deep learning. *Patterns* 5, 100909. <https://doi.org/10.1016/j.patter.2023.100909>. **(Co-First Author)**
4. Naciri I, Liang M, Yang Y, **Karner H**, Lin B, Ludena MDA, Hanse E, Lebron A, Razorenova OV, Nicholas D, Kong M, Sun S. (2024). Loss of XIST lncRNA unlocks stemness and cellular plasticity in ovarian cancer. *PNAS* 121, e2418096121. <https://doi.org/10.1073/pnas.2418096121>.
5. **Karner H**, Webb CH, Carmona S, Liu Y, Lin B, Erhard M, Chan D, Baldi P, Spitale RC, Sun S. (2020). Functional Conservation of lncRNA JPX Despite Sequence and Structural Divergence. *Journal of Molecular Biology* 432:283–300. <https://doi.org/10.1016/j.jmb.2019.09.002>. **(First Author. Featured Article. Cover Art.)**
6. **Karner H**, Sun S. (2018). lncRNA miR503HG is a new player in hepatocellular carcinoma metastasis. *Noncoding RNA Investigation*. <https://doi.org/10.21037/ncri.2018.08.04>. **(Editorial)**
7. Li C, Hong T, Webb C, **Karner H**, Sun S, Nie Q. (2016). A self-enhanced transport mechanism through long noncoding RNAs for X-chromosome inactivation. *Scientific Reports*. <https://doi.org/10.1038/srep31517>.
8. Nagasawa DT, Trang A, Choy W, Spasic M, Yew A, Zarinkhou G, **Garcia HM**, Yang I. (2013). Genetic expression profiles of adult and pediatric ependymomas: molecular pathways, prognostic indicators, and therapeutic targets. *Clinical Neurology and Neurosurgery* 115. <https://doi.org/10.1016/j.clineuro.2012.12.006>.
9. Nagasawa DT, Choy W, Spasic M, Yew A, Trang A, **Garcia HM**, Yang I. (2012). An analysis of intracranial epidermoid tumors with malignant transformation: treatment and outcomes. *Clinical Neurology and Neurosurgery* 115. <https://doi.org/10.1016/j.clineuro.2012.10.026>.
10. Nagasawa DT, Fong C, Yew A, Spasic M, **Garcia HM**, Kruse CA, Yang I. (2012). Passive immunotherapeutic strategies for the treatment of malignant gliomas. *Neurosurgery Clinics of North America* 23. <https://doi.org/10.1016/j.nec.2012.04.008>.
11. Yew A, Trang A, Nagasawa DT, Spasic M, Choy W, **Garcia HM**, Yang I. (2012). Chromosomal alterations, prognostic factors, and targeted molecular therapies for malignant meningiomas. *Journal of Clinical Neuroscience* 19. <https://doi.org/10.1016/j.jocn.2012.02.007>.
12. Yang J, Nagasawa DT, Spasic M, Amolis M, Choy W, **Garcia HM**, Prins RM, Liao LM, Yang I. (2012). Endogenous vaults and bioengineered vault nanoparticles for treatment of glioblastomas: implications for future targeted therapies. *Neurosurgery Clinics of North America* 23. <https://doi.org/10.1016/j.nec.2012.04.012>.
13. Thant AA, Wu Y, Lee J, Mishra DK, **Garcia H**, Koeffler HP, Vadgama JV. (2008). Role of caspases in 5-FU and selenium-induced growth inhibition of colorectal cancer cells. *Anticancer Research*. <https://pubmed.ncbi.nlm.nih.gov/19189638/>

AWARDS & FELLOWSHIPS

NIH LRP Award | National Cancer Institute (NCI)

2024 – 2025

- Loan Repayment Program through the NIH to aid in the retention of highly qualified health professionals in biomedical or biobehavioral research careers
- Award: 50% of total outstanding student loans for 2 years

NIH T32 Zena Werb Scholar

2021 – 2023

- NIH Institutional Research Service Award in Molecular and Cellular Mechanisms in Cancer
- A Kirschstein-NRSA training program which enables the recruitment of trainees in careers that have significant impact on health-related research done in specified shortage areas
- Award: Funds to cover postdoctoral scholar salary and to support travel expenses for conferences for 3 years

NIH LRP Award through the National Cancer Institute (NCI)

2021 – 2023

- Loan Repayment Program through the NIH to aid in the retention of highly qualified health professionals in biomedical or biobehavioral research careers
- Award: 50% of total outstanding student loans for 2 years

NIH Diversity Supplement

2020 – 2021

- R01 supplement grant to promote diversity
- Aided in the generation of preliminary data and the writing of this grant
- Award: Funds to cover postdoctoral scholar salary and support for supplies and travel to conferences for 1 year

UC CRCC (Cancer Research Coordinating Committee)

July 2019

- Seed grant for lab resources and personnel
- Aided in the generation of preliminary data and the writing of this grant

UCI ACS (American Cancer Society)

June 2019

- Seed grant for lab resources and personnel
- Aided in the generation of preliminary data and the writing of this grant

Campus Organization Excellence in Service Award

May 2018

- Awarded to my service organization, Reach Out Teach Out (of which I was Vice President at the time), at the UCI Engage Celebration of Community Engagement event

Edward A. Steinhaus Teaching Award

June 2017

- Competitive award from the Department of Developmental and Cell Biology at UCI presented to outstanding graduate students with promising futures as educators

Certificate of Teaching Excellence

May 2017

- In recognition of advanced training in evidence-based pedagogy

UCI CIRTl Associate Level

April 2017

- Successful completion of all UCI CIRTl associate level requirements

CCBS Opportunity Award on the topic of Mechanisms of Disease

June 2016

- Project Title: Dynamics of lncRNAs in the X inactivation center in mouse ES and human breast cancer cells
- Collaboration project with the labs of Dr. Tom Schilling and Dr. Zeba Wunderlich in the Department of Developmental and Cell Biology at UCI
- Award: \$10,000 for lab resources + \$1000 for students and/or postdocs to use

Pedagogical Fellows

Jan 2016

- Competitive fellowship program through the Center for Engaged Instruction at UCI which instructs students in pedagogy and how to employ different teaching techniques in the classroom to engage students in active learning
- Award: \$2000

GAANN Fellowship (Graduate Assistance in Areas of National Need)

2015 – 2017

- Competitive fellowship program through the Department of Developmental and Cell Biology at UCI given to graduate students who have demonstrated a desire to pursue a career in teaching
- Award: Graduate student registration fees and a stipend for 3 years

CCBS Opportunity Award on the topic of Dynamics and Complexity

Aug 2015

- Project Title: Dynamic Regulation and Noise Attenuation in lncRNA network for X chromosome inactivation
- Collaboration project with the lab of Dr. Qing Nie in the Department of Mathematics at UCI
- Award: \$10,000 for lab resources + \$1000 for students and/or postdocs to use

TEACHING EXPERIENCE

Mentor for Bio Sci 199 Students | UCI

Fall 2014 – Fall 2019

Laboratory of Dr. Sha Sun

- Mentored 4 undergraduate research students; trained students in hypothesis-driven research design

Teaching Assistant for Bio Sci 75 (Human Development: Conception to Birth) | UCI

Spring Quarter 2019

Dr. Sha Sun • 25% appointment

- Weekly office hours
- Guest lectured on mitosis and meiosis

Teaching Assistant for Bio Sci 100 (Scientific Writing) | UCI

Winter Quarter 2019

Dr. Debra Mauzy-Melitz • 25% appointment

- Administrative TA

Teaching Assistant for Bio Sci 97 (Genetics) | UCI

Fall Quarter 2018

Dr. Rahul Warrior, Dr. Zeba Wunderlich, Dr. Lee Bardwell, and Dr. Olivier Cinquin • 50% appointment

- Administrative TA for two co-taught sections

Teaching Assistant for Bio Sci 97 (Genetics) | UCI

Summer Session 2018

Dr. Lee Bardwell • 50% appointment

- Administrative TA
- Led two discussion sections per week; created original learning materials
- Trained second TA in administrative and teaching duties

Teaching Assistant for Bio Sci 93 (From DNA to Organisms) | UCI

Fall Quarter 2017

Dr. Justin Shaffer • 50% appointment

- Administrative TA; trained new TAs
- Audited and gave feedback on fellow TA discussion sections

Pedagogical Fellow for TAPDP Training | UCI

Sept 2017

- Conducted workshops to train new TAs from the School of Engineering

Teaching Assistant for Bio Sci 97 (Genetics) | UCI

Summer Session 2017

Dr. Lee Bardwell • 50% appointment

- Led two discussion sections per week; created original learning materials

Teaching Assistant for Bio Sci 93 (From DNA to Organisms) | UCI

Fall Quarter 2016

Dr. Justin Shaffer • 50% appointment

- Led three discussion sections per week; designed all course materials
- Audited fellow TA discussion sections

Curriculum Design of University Studies 390C | UCI

Fall 2016

- Co-designed curriculum for course preparing pedagogical fellows for the academic job market
- Topics: cover letter, CV, research statement, diversity statement, networking, social media

Pedagogical Fellow for TAPDP Training | UCI

Jan 2016 – Sept 2016

- Developed and conducted training workshops for new TAs

Teaching Assistant for Bio Sci D103 (Cell Biology) | UCI

Summer Session 2016

Dr. Salme Taagepera • 50% appointment

- Administrative TA
- Led two discussion sections per week; created original learning materials

Guest lectured for Bio Sci 100 (Scientific Writing) | UCI

Winter Quarter 2016

Dr. Debra Mauzy-Melitz

- Title: Clinical Research Design Flaws

Teaching Assistant for Bio Sci 93 (From DNA to Organisms) | UCI

Fall Quarter 2015

Dr. Justin Shaffer • 50% appointment

- **Head TA** (helped other TAs with creating teaching materials for their discussion sections)
- Led three discussion sections per week; created original learning materials
- Audited fellow TA discussion sections

Teaching Assistant for Bio Sci 97 (Genetics) | UCI

Summer Session 2015

Dr. David Camerini • 50% appointment

- Administrative
- Led two discussion sections per week; created original learning materials

Teaching Assistant for Bio Sci 75 (Human Development: Conception to Birth) | UCI

Spring Quarter 2015

Dr. Sha Sun • 25% appointment

- Guest lectured on mitosis and meiosis
- Held office hours once a week

Teaching Assistant for Bio Sci 93 (From DNA to Organisms) | UCI

Fall Quarter 2014

Dr. Justin Shaffer • 50% appointment

- Biological Sciences Graduate Teaching Fellow Program
- Led three discussion sections per week; created original learning materials

MENTORING EXPERIENCE

Direct Mentor for Ashir Borah, UCSF Graduate Student **2022 – Present**

- Supervised two lab rotations in the Goodarzi lab during his first year of graduate school
- Continued as informal mentor and scientific advisor following his transition to the Gilbert lab (ARC Institute)
- Current status: UCSF Graduate Student Researcher in the lab of Dr. Luke Gilbert at the Arc Institute

Direct Mentor for Tabea Mittmann, Visiting Medical Student from Westfälische Wilhelms-Universität Münster in Germany **July 2022 – Sept 2023**

- Current status: Medical Student at Westfälische Wilhelms-Universität Münster

Direct Mentor for Vicky Chen, Visiting Undergraduate Student through the Summer Research Training Program (SRTF) at UCSF **Summer 2023**

- Current status: Stanford University Graduate Student Researcher in the lab of Dr. Kyle Daniels

Mentor for Benjamin Lin, UCI Undergraduate Student and Lab Technician **Jan 2015 – May 2019**

- Current status: MD/PhD Student at the University of Alabama at Birmingham

Direct Mentor for Micaela Erhard, UCI Undergraduate Student **Oct 2015 – June 2017**

- Current status: Clinical Laboratory Scientist at Lucid Diagnostics

CONFERENCES & PRESENTATIONS

Breast Oncology Program (BOP) 30th Annual Scientific Retreat and Poster Session **Feb 2025**

- Presented poster: “RBMS3-Mediated Suppression Pathway of Breast Cancer Metastasis”

Arc Symposium: Advancing Research Connections **Feb 2025**

- Presented poster: “RBMS3-Mediated Suppression Pathway of Breast Cancer Metastasis”

Symposium on Basic Cancer Research (UCI) **May 2019**

- Co-presented poster: “Downregulation of XIST Ovarian Cancer and Possible Mechanisms”

SABER West (UCI) **Jan 2018**

- Co-presented poster: “Strategies for Undergraduate Scientific Success: Resolving the Disconnect”

Center for Complex Biological Systems (CCBS) Retreat **Mar 2017**

- Talk: “Dynamics of X inactivation center lncRNAs in Human Cancer Cells”
- Collaboration project with the labs of Dr. Tom Schilling and Dr. Zeba Wunderlich in the Department of Developmental and Cell Biology at UCI under the CCBS Opportunity Award

SABER West (UCI) **Jan 2017**

- Co-presented poster: “Strategies for Undergraduate Scientific Success: Resolving the Disconnect”

ABLE: Association for Biology Laboratory Education (University of Houston) **July 2016**

- Selected to give a workshop
- Title: Awareness Makes You Friends: Addressing Diversity Concerns in the Classroom

Center for Complex Biological Systems (CCBS) Retreat**Mar 2016**

- Talk: “A self-enhanced transport mechanism through long noncoding RNAs for X chromosome inactivation”
- Collaboration project with the lab of Dr. Qing Nie in the Department of Mathematics at UCI under the CCBS Opportunity Award

ScaE: Southern California Evolutionary Genetics & Genomics Meeting (USC)**Feb 2016**

- Presented poster: “Structure versus sequence conservation: Human long noncoding RNA *Jpx* and its homology to murine *Jpx*”

PROFESSIONAL DEVELOPMENT

- ❖ NCI Transition Career Development Workshop
- ❖ Reviewing and Refining Your NIH Proposal – Grant Training Center
- ❖ Professional NIH Grant Development – Grant Training Center
- ❖ Inclusive Research Mentor-Manager Training – UCSF
- ❖ C3 (Computational Cancer Community) Computational Cancer Boot Camp – UCSF
- ❖ R Boot Camp – UCSF
- ❖ PAC-UP (Planning your Academic Career for Upcoming Professors) Series on Exploring and Preparing for Faculty Positions – UCSF
- ❖ Responsible Conduct of Research Program for Postdoctoral Scholars – UCSF
- ❖ Mentoring in Excellence Program (Certificate) – UCI
- ❖ Biological Sciences Graduate Teaching Fellow Program – UCI
- ❖ Graduate Public Speaking Skills (Drama 227) – UCI
- ❖ Pedagogical Fellows (University Studies 390A, 390B, and 390C) – UCI

PROFESSIONAL SOCIETIES

- ❖ Pharmaceutical & BioScience Society International | 2026 - Present
- ❖ Women In Bio | 2026 - Present
- ❖ Bio By The Lagoon Foster City | 2025 - Present
 - Steering Committee Member & Head of Social Media and Marketing Team | 2026 - Present
- ❖ American Association for Cancer Research (AACR) | 2023 - Present
- ❖ Bay Area RNA Club | 2019 - Present

SERVICE

Bio By The Lagoon | Steering Committee • Head of Social Media and Marketing**Jan 2026 – Present**

- Built 8-person volunteer SMM team from scratch; grew event attendance ~40 to ~100 (Feb–Apr 2026)
- Partners with Foster City Chamber Foundation and CORA

FG2C (First Generation To College) | UCSF**Fall 2021 – Spring 2023**

- Mentored a student from the inaugural cohort of UCSF's new Genetic Counseling Master's Program

Letters to a Pre-Scientist**Fall 2022 – Spring 2023**

- Connected with middle and high school students from rural and urban areas through science pen-pal correspondence

BOBA (Brain Outreach Bay Area) | UCSF & San Francisco State University**Fall 2021 & Fall 2022**

- Mentored 3 underserved/underrepresented students through PhD program applications (1 in 2021 cycle, 2 in 2022 cycle)

Math CEO | UCI**May 2019**

- DNA extraction workshop for underserved students from the Santa Ana community

Reach Out Teach Out | UCI**Spring 2017 – Spring 2018**

- Co-founded with Autumn Holms; introduced science to high school students in underrepresented communities through lab tours and research-linked activities
- Awards: Campus Organization Excellence in Service Award (UCI, 2018); UCI Anteater Award for Collaborative Program of the Year (2020, 2021); UCI Anteater 2023 Award for Best Community Outreach

Breaker's Advanced Workshop | UCI**July 2017**

- Lab tour, ethics discussion, and cancer cell line activity for at-risk high school students from Laguna Beach High School

Selection of 2017–2018 Pedagogical Fellows | UCI**Fall 2016**

- Conducted applicant consultations and final-round interviews

Strategies for Scientific Success: Amplify Your Portfolio | UCI**Oct 2016**

- Co-organized with GAANN fellows; symposium for graduate students and postdocs on STEM career development; topics included teaching philosophy, CV writing, IDP goal setting, and career panel

Tech Trek | UCI**July 2015 & July 2016**

- Hands-on science demonstrations for underserved middle school girls

Strategies for Scientific Success: Bio Sci 199 & Beyond | UCI**April 2016**

- Co-organized with GAANN fellows; symposium for undergraduates on navigating research opportunities in STEM; topics included finding research positions, diversity in science, and career panel

The Baccalaureates**Fall 2014 & Fall 2015**

- Co-developed college essay help program for high school seniors in underrepresented areas

Ask-A-Scientist Night**Oct 2013, 2014, & 2015**

- IUSD-sponsored event where K-12 students consulted scientists for advice on executing and analyzing their science projects

ESCAPE | UCI**Aug 2015**

- DNA extraction workshop for elementary school teachers from underserved areas

Judge for the IUSD Intel International Science and Engineering Fair (Intel ISEF)**Mar 2015**

- Judged and selected projects for the IUSD Intel ISEF preliminary round, including selection of national-level qualifiers

IUSD Science Fair Judge**Feb 2014**

- Interviewed K-12 students about their science fair projects and contributed to winner selection