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AAASPD Poster Session

92nd Annual Meeting

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193 (number italicized and underlined) identifies a student presentation
*identifies the presenter from among several authors listed

Boards on which to attach poster presentations will be set up in KIPJ Rooms C and D. The poster boards have numbers on them that coincide with the numbers assigned to the posters in this program (see number to the left of the title of each presentation). You are expected to use the appropriately numbered board for your poster.

World Congress of Mummy Studies Posters: Posters are to be set up Sunday morning for viewing all day. All posters must be removed by 11:00 a.m. Monday. All presenters are expected to be at their posters from 5:30 p.m. to 6:30 p.m. Sunday to allow attendees the opportunity to discuss results with presenters. *Students should expect two judges to review their presentations. Judging may extend beyond 6:30 p.m.*

AAASPD Posters: Posters can be set up beginning at 11:00 a.m. Monday. All set up should be finished at least 10 minutes prior to noon, the start of the session. All presenters must be present with their posters for at least two hours during the poster session in order to discuss their work. *Students must be present with their posters from at least noon to 2:00 p.m. in order to give judges the opportunity to review and discuss their work with them.* No posters are to be removed before 4:00 p.m., the end of the session. All posters must be removed no later than 8:00 p.m. that evening.

Presenters assume full responsibility for the security of their poster and other materials. Unclaimed posters will be discarded at the close of the technical sessions Wednesday afternoon.

Quick Directory of Sponsoring Sections/Societies and Their Posters

<i>Section or Society</i>	<i>poster numbers</i>
World Congress on Mummy Studies	324 – 363
Agriculture and Horticultural Sciences Section	372 – 373
Anthropology and Archaeology Section	381 – 382
Atmospheric and Oceanographic Sciences Section	377 – 378
Cell and Molecular Biology Section	388 – 393
Computer and Information Sciences Section	370 – 371
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Education Section	375 – 376
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Oral Biology and Dental Medicine Section	383 – 387
Social, Economic and Political Sciences Section	369

Cognitive Decline, **ERIC R. BRAVERMAN¹, KENNETH BLUM^{2,3*}, KENNETH PERRINE¹, and UMA J. DAMLE²** (¹Weill Cornell College of Medicine, New York, NY; ²Path Foundation NY, New York, NY; ³University of Florida, Gainesville, FL).

366 *Relationship Between Adiposity and Physical Function in Older Adults*, **ANPALAKI J. RAGAVAN** (University of Nevada, Reno, NV).

367 *Role of Muscle Mass in Weight Loss Among Obese Women*, **ANPALAKI J. RAGAVAN** (University of Nevada, Reno, NV).

368 *Frequency of Pregnancies and Long-Term Effects of Periodontal Disease in a National Probability Sample*, **LOLIYA BOB-MANUEL*, MARISOL CEBALLOS*, JOSE M. RODRIGUEZ*, YAN WANG, HONGHU LIU, and MARVIN MARCUS** (California Endowment Pipeline Program, UCLA School of Dentistry, Los Angeles, CA).

POSTER SESSION II AAAS, Pacific Division

KIPJ Rooms C and D
Monday
NOON – 4:00 PM

IMPORTANT NOTE: Please pay close attention to the instructions for poster presenters on page 55 of these *Proceedings*.

HEALTH SCIENCES

364 *Association of Marijuana Use and Active Caries in a National Probability Sample*, **MONIQUE R. BELIN*, EUGENIO AQUINO*, YAN WANG, HONGHU LIU, and MARVIN MARCUS** (California Endowment Pipeline Program, UCLA School of Dentistry, Los Angeles, CA).

365 *Vitamin D Deficiency in Humans Associates with Delayed P300 Latency and Reduced Voltage Predicting*

SOCIAL, ECONOMIC and POLITICAL SCIENCES

369 *How to Live to Be 100: Utah Centenarians in Their Own Words*, **THOMAS W. DRAPER* and ELENA OLIVER** (Brigham Young University, Provo, UT).

COMPUTER AND INFORMATION SCIENCES

370 *Quadrocopter Aerial Monocular Vision for Improved Autonomous Robot Navigation*, **KENNY LEI** (Walnut High School, Walnut, CA).

371 *An Algorithm to Determine Protein Structure Using Secondary and Tertiary Structure Prediction*, **VIKRAM SUNDAR** (The Harker School, San Jose, CA).

AGRICULTURE and HORTICULTURAL SCIENCE

372 *Non-Cytotoxicity of Novel Antifungal Aminoglycosides in Mammalian Cells*, **SANJIB SHRESTHA^{1,3*},**

CHENG-WEI TOM CHANG^{2,3}, **MARINA FOSSO**², **YUKIE KAWASAKI**¹, **MICHELLE GRILLEY**¹, and **JON Y. TAKE-MOTO**^{1,3} (^{1,2}Utah State University, Logan, UT; ³Synthetic Biomanufacturing Center (USTAR), Utah State University, Logan, UT).

373 *Scalable Production of Syringomycin E as an Organic Compatible Agrifungicide*, **YUKIE KAWASAKI***, **MICHELLE GRILLEY**, and **JON TAKEMOTO** (Utah State University, Logan, UT).

EARTH SCIENCES

374 *Modeling the Climate Effects of 21st Century Global Warming on Selected Ski Resorts in Western Canada*, **MICHAEL PIDWIRNY** (University of British Columbia, Kelowna, British Columbia, Canada).

EDUCATION (SCIENCE and TECHNOLOGY)

375 *Mosquito Biodiversity in San Diego: Human and Environmental Health Concerns*, **AMALIA R. BERSIN***, **LILIA GALVEZ***, and **JAY S. VAVRA** (High Tech High, San Diego, CA).

376 *Development and Implementation of a Workshop on Inclusive Teaching for Undergraduate and Graduate Teaching Assistants by Postdoctoral Scholars at UCSD*, **SANDRA L. CLEMENT***, **SAURABH JOSHI**, **SUZANNE R. LEE**, **EVAN C. MERKHOFFER**, **STEFANIE OTTO**, **MARTA VICENTE-CRESPO**, and **GABRIELE WIENHAUSEN** (University of California San Diego, La Jolla, CA).

ATMOSPHERIC and OCEANOGRAPHIC SCIENCES

377 *Analysis of Climate and Tree Growth over the Last 1000 Years Using Tree Rings from the Qinghai-Tibetan Plateau*, **ARMAND ANSELMO*** and **ZHI-YONG YIN** (University of San Diego, San Diego, CA).

378 *The Bioclastic Composition of Carbonate Sediments in Hurricane Hole and other Coral Reef Environments, St. John, USVI*, **CASEY CHAPMAN*** and **SARAH GRAY** (University of San Diego, San Diego, CA).

ECOLOGY, ORGANISMAL BIOLOGY and ENVIRONMENTAL SCIENCES

379 *Scrubbing the Air: Reducing Carbon Dioxide Levels with *Fragaria californica*, *Galvezia speciosa*, *Heteromeles argutifolia*, and *Salvia clevelandii**, **CAROLINE FROST** (Chaminade College Preparatory School, Los Angeles, CA and Loyola Marymount University, Los Angeles, CA).

380 *Examination of Physiological and Behavioral Effects on White Seabass *Atractoscion nobilis* in a Closed Recirculating System*, **SAMUEL M. HOLLEY** (Huntington Beach High School, Huntington Beach, CA).

ANTHROPOLOGY and ARCHAEOLOGY

381 *Analysis of Hair Attributed to an Unidentified Species of Primate*, **KYLE GRAGG**, **JEFF MELDRUM***, and **HENNER FAHRENBACH** (Idaho State University, Pocatello, ID).

382 *Incomplete Lumbar Spine and Its Applications in the Estimation of Sex*, **MARIA JELACA-TAVAKOLI*** and **MARY E. LEWIS**² (¹Southwestern College, Chula Vista, CA; ²University of Reading, Reading, United Kingdom).

ORAL BIOLOGY and DENTAL MEDICINE

383 *Developing a Rat Model of Facial Inflammation*, **CHARDONNAY WARD***, **YATENDRA MULPURI**, and **IGOR SPIGELMAN** (Howard Hughes Medical Institute Pre-College Science Education Program, UCLA School of Dentistry, Los Angeles, CA).

384 *Chronic Inflammation and Epigenetic Gene Regulation in Oral Keratinocytes*, **REBECCA UDOKOP*** and **KI-HYUK SHIN** (Howard Hughes Medical Institute Pre-College Science Education Program and the UCLA School of Dentistry, Los Angeles, CA).

385 *UBC9 Expression in Oral Cancerous Cells*, **BERENICE FLORES***, **MICHELLE PICENO***, **CHENXI SONG**, **MIN ZHANG**, and **SHEN HU** (Howard Hughes Medical Institute Pre-College Science Education Program and the UCLA School of Dentistry, Los Angeles, CA).

386 *Susceptibility of Oral Cancer Stem Cells to NK Cell Death versus their Differentiated Counterparts*, **CAMILLE BROWN***, **CANDY MACIAS***, **HELEN TSENG**, **CAITLIN LANZON**, and **ANAHID JEWETT** (Howard Hughes Medical Institute Pre-College Science Education Program and The Weintraub Center for Reconstructive Biotechnology, UCLA School of Dentistry, Los Angeles, CA).

387 *Combined Effects of TGF-beta1 and TNF-alpha on Dental Pulp Stem Cell Differentiation*, **XAVIER BROOKS***, **ESMERALDA ALVAREZ***, **JU EUN OH**, **SHEBLI MEHRAZARIN**, **SUSAN BAE**, and **MO KANG** (Howard Hughes Medical Institute Pre-College Science Education Program and the UCLA School of Dentistry, Los Angeles, CA).

CELL and MOLECULAR BIOLOGY

388 *The Effect of Ginkgo biloba on the Mouse Hippocampus*, **ALEXA ARANJO** (Chadwick School, Palos Verdes Peninsula, CA and University of Southern California, Los Angeles, CA).

389 *Identifying Myostatin in Yellowtail (*Seriola lalandi*) using Degenenerate PCR*, **ALYSSA BERNARDI*** and **MARY SUE LOWERY** (University of San Diego, San Diego, CA).

390 *The Effects of Exercise on the Expression of Insulin-like Growth Factor in Juvenile Yellowtail*, **SARAH JONES*** and **MARY SUE LOWERY** (University of San Diego, San Diego, CA).

391 *Identification of a Second Site Suppressor of *cdc24* in *Schizosaccharomyces pombe**, **SHANI M.C. CHAPMAN*** and **SALLY G. PASION** (San Francisco State University, San Francisco, CA).

392 *Ah Receptor Interacts with Activated Stat1 to Promote Cell Proliferation*, **CHERI L. LAMB***, **BRIAN ELLSWORTH**, and **KRISTEN A. MITCHELL** (Boise State University, Boise, ID).

393 *Effects of the *Orail* Gene on the Skull Formation*, **AYANA USSERY**^{1*}, **ROSA NAPOLES**¹, **HYE-WON CHOI**², and **JEANNE NERVINA**³ (^{1,2}Howard Hughes Medical Institute Pre-College Science Education Program and the UCLA School of Dentistry; Los Angeles, CA; ³University of Michigan School of Dentistry, Ann Arbor, MI).