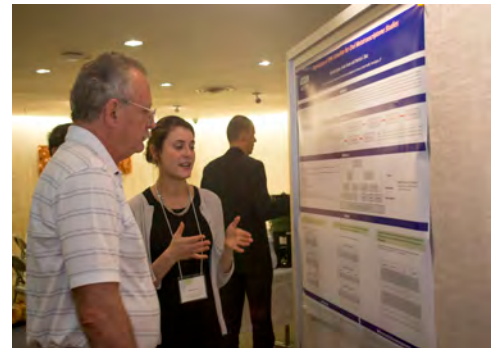




Featured in the photo are Dean R. Lamont MacNeil, Dr. Mina Mina, Guest Speaker Dr. Sotirios Tetradis (UCLA School of Dentistry) and Dr. A. Jon Goldberg.

Photos: Tina Encarnacion



SCOB Trainee Michelle Spoto explains her research to Dr. Alex Lichtler

T90 TRAINING GRANT RENEWAL – SCOB SYMPOSIUM

Congratulations to Drs. Mina and Goldberg and the UConn School of Dental Medicine for the recent 5-year renewal of the T90/R90 training application. It is the largest and longest held training grant at UConn Health and the most recent award was for over \$3 million.

The Skeletal, Craniofacial and Oral Biology (SCOB) training grant supports training for students pursuing a combined DMD and PhD; PhD; and postdocs seeking advanced research training. Over the years, the program has supported more than 50 scientists in their career endeavors and to become independent researchers. The T90/R90 will support 10 trainees this year.

The recent success behind the training grant is due to the leadership of Dr.

Mina Mina and Dr. Jon Goldberg and their dedication to the trainees and to the program. Dr. Mina and her team meet weekly to discuss current issues; the faculty and trainees meet monthly to discuss each other's research and for the trainees to present their current work.

Each year there is a SCOB Symposium which is funded by the NIH grant and provides the T90/R90 trainees and Skeletal Biology & Regeneration (SBR) students with an opportunity to present posters and give oral presentations. This year's symposium was held on Monday, June 6th in Low Learning Center where there were 8 oral presentations and 7 poster presentations. Dr. Sotirios Tetradis, DDS, PhD from UCLA School of Dentistry and former UConn Health trainee was this year's guest speaker.

INSIDE THIS ISSUE

- 2 SDM RESEARCH SEMINAR SERIES BEGINS
- FUNDING OPPORTUNITIES
- 4 STUDENT RESEARCH NEWS GRANT AWARDS
- 5 FACULTY SPOTLIGHT
- 6 GRANT SUBMISSIONS
- 7 UPCOMING EVENTS
- 8 RESEARCH DEAN'S CORNER

FUNDING ANNOUNCEMENTS

The following funding announcements may be of interest to you:

CAREER DEVELOPMENT AWARDS:

- Mentored Research Scientist Development Award (Parent K01) (PA-16-190) Application Receipt/Submission Date(s): Standard dates apply, with the first due date on June 12, 2016, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.
- Mentored Clinical Scientist Research Career Development Award (Parent K08) (PA-16-191) Application Receipt/Submission Date(s): Standard dates apply, with the first due date on June 12, 2016, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.
- Independent Scientist Award (Parent K02) (PA-16-192) Application Receipt/Submission Date(s): Standard dates apply, with the first due date on June 12, 2016, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.
- NIH Pathway to Independence Award (Parent K99/R00) (PA-16-193) Application Receipt/Submission Date(s): Standard dates apply, with the first due date on June 12, 2016, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.
- Mentored Patient-Oriented Research Career Development Award (Parent K23) (PA-16-198) Application Receipt/Submission Date(s): Standard dates apply, with the first due date on June 12, 2016, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.
- Short-term Mentored Career Enhancement Award in Dental, Oral and Craniofacial Research for Mid-Career and Senior Investigators (K18) (PAR-16-179) National Institute of Dental and Craniofacial Research Application Receipt/Submission Date(s): Standard dates apply, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.

(CONTINUED ON PAGE 3)

SDM RESEARCH SEMINAR SERIES

During the month of September, we are going to kick off the new Research Seminar Series. The plan is to have researchers from different areas of the Dental School present their latest research or research interests. There are many opportunities to collaborate on projects, and various areas of interest – we hope to bring you together.

Our goal is to have one speaker each month. We hope that if you are asked and your schedule avails, you will help to make this a successful program.

Our first scheduled speaker will be on **Thursday, September 8th**. **Dr. Peter Maye, Assistant Professor in the Center for Regenerative Medicine and Skeletal Development**, will discuss his most recent project, “Cherubism and TGF β Signaling”, for which he just received a Stimulus Award.

In addition to our monthly speaker, during the month of September, we have an extra bonus. On Thursday, **September 15**, we will have **Dr. Dan Schwartz, Assistant Professor, Dept. of Physiology & Neurobiology**, come to demonstrate and discuss Lincus, a tool for finding faculty research expertise at UConn and UConn Health.

The Research Seminar series will be held at noon in Friends Lecture Room (LM-034).

ADDITIONAL FUNDING ANNOUNCEMENTS

RESEARCH GRANTS:

- Biosensors in the Oral Cavity (R01)
- (RFA-DE-17-004) National Institute of Dental and Craniofacial Research Application Receipt Date(s): October 19, 2016, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on this date.
- Biosensors in the Oral Cavity (R21)
- (RFA-DE-17-005) National Institute of Dental and Craniofacial Research Application Receipt Date(s): October 19, 2016, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on this date.
- Factors Underlying Differences in Female and Male Presentation for Dental, Oral, and Craniofacial Diseases and Conditions (R01) (PA-16-295) National Institute of Dental and Craniofacial Research Application Receipt/Submission Date(s): Standard dates apply, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.
- Factors Underlying Differences in Female and Male Presentation for Dental, Oral, and Craniofacial Diseases and Conditions (R21) (PA-16-296) National Institute of Dental and Craniofacial Research Application Receipt/Submission Date(s): Standard dates apply, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.
- Methodology and Measurement in the Behavioral and Social Sciences (R01) (PAR-16-260) Application Receipt/Submission Date(s): Standard AIDS dates apply, by 5:00 PM local time of applicant organization. All types of AIDS and AIDS-related applications allowed for this funding opportunity announcement are due on these dates. The first AIDS application due date for this FOA is January 7, 2017.
- Methodology and Measurement in the Behavioral and Social Sciences (R21) (PAR-16-261) Application Receipt/Submission Date(s): Standard dates apply, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates. The first standard application due date for this FOA is October 16, 2016.
- Mechanisms, Models, Measurement, and Management in Pain Research (R21) (PA-16-187) Application Receipt/Submission Date(s): Standard dates, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.
- Mechanisms, Models, Measurement, and Management in Pain Research (R01) (PA-16-188) Application Receipt/Submission Date(s): Standard dates, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.
- Small Research Grants for Analyses of Data for the Gabriella Miller Kids First Data Resource (R03)
- (PAR-16-348) For a PAR, if Multiple Receipt Date Info is given, show that, otherwise show the single receipt date Standard dates apply, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.



Student Research News

Congratulations to Blake Bandeff and Sean Burke, recipients of the 2016 Summer Dental Student Award. They will be conducting research this summer at NIH/National Institute of Dental and Craniofacial Research in Bethesda, MD.

We would like to acknowledge our 2016 Summer Research students and their sponsors: **Tara Babushkin, Isabella Chen, Sundine Chizzonite, Basem Gayed, Lauren Gormer, Trini Gutierrez, Willan Jumbo, Candice Logan, Lora Manley, Victoria Phu, Matthew Prezioso, Bailey Proft, Sharon Vincenty-Flores, Drew Weyman and David Wiegard.** Faculty Sponsors include: Drs. Tadinada, Frank, Lalla, Kuhn, Yadav, Uribe, Kelly, Chen, Nichols and Chandhoke.

Students presenting at the recent SCOB symposium on June 6th were **Aja Aravamudhan, Laura Doherty, Henry Hrdlicka, David Manz, Patience Meo Burt, Ryan Russell, Spenser Smith, Michelle Spoto, Xi Wang and Matthew Zambrello.** Post-doc presenters were **Anushree Banerjee, Nathaniel Dymont, David Paglia, Sierra Root, and Ivana Vidovic.**

Congratulations to the students and residents who participated at the Inaugural Poster Sessions at CSDA's Annual Meeting held May 12-13, 2016 at Mohegan Sun. Student/Resident presenters were: **Nicholas Camic, Paul Dyrkacz, Andrew Emery, Leila Fussell, Neha Grewal, Himank Gupta, Owen Insel, Yassas Jayaratne, Julia Karpman, Kristen Kiebach, Gaurav Krishnamoorthy, Melissa Landin, Alex Lima, Jia Liu, Alana Marczak, Ledjo Palo, John Power, Emily Sachs, Sydney Schneider, and Meenakshi Vishwanath.** Congratulations also goes out to their mentors: Drs. Dealy, Dongari-Bagtzoglou, Frank, Hurley, Ioannidou, Mina, Nichols, Tadinada and Yadav.

GREAT MOMENTS IN SCIENCE



Faculty Research Grants

Congratulations to the following faculty on obtaining new research funding:

NIH Funding:

I-Ping Chen – “Pathogenic Mechanisms of Craniometaphyseal Dysplasia” (R01)

Mina Mina – “Skeletal, Craniofacial, and Oral Biology Training Grant” (T90/R90)

Susan Reisine – “Good Oral Health: a Bi-level intervention to improve Older Adult Oral Health” (U01 Supplement)

CHIP Funding:

I-Ping Chen – “Developing a Mouse Model for Symptomatic Apical Periodontitis”

Deborah Redford-Badwal – “Formative Research to Inform Childhood Obesity and Dental Caries Interventions”

Convergence Grants:

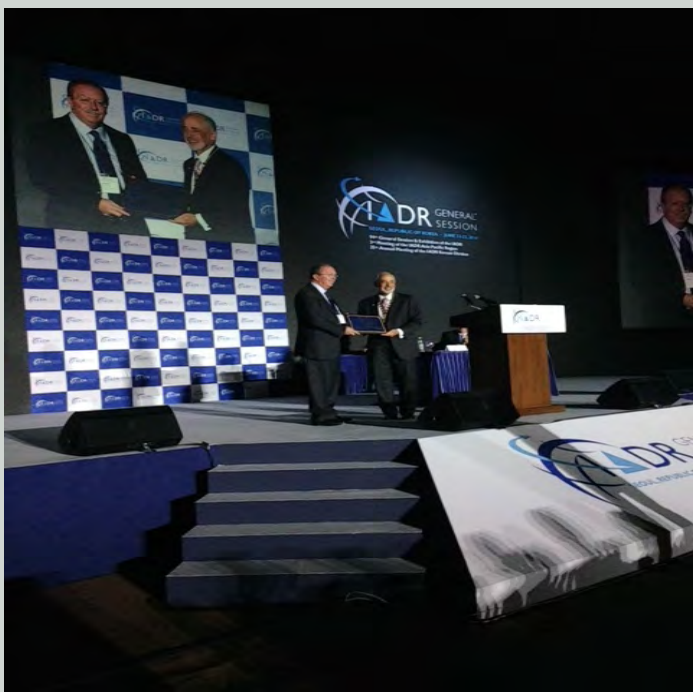
I-Ping Chen – “Analgesic and Anti-inflammatory Effects of Dimethyl Sulfoxide in Symptomatic Apical Periodontitis in Mice”

Sangamesh Kumbar (Sumit Yadav co-Investigator) – “Peripheral Nerve Regeneration Using Ionically Conducting Polymers”



FACULTY SPOTLIGHT

Congratulations to **Dr. J. Robert Kelly**, who was recently presented with the 2016 International Association for Dental Research (IADR) Distinguished Scientist Award – Wilmer Souder Award on June 22nd in Seoul, Korea. The award honors Dr. Wilmer Souder, the motivating force in establishing the Dental Section at the National Bureau of Standards, and is designed to encourage interest in dental materials research. It is one of the highest honors bestowed by IADR.



Congratulations to **Dr. Liisa Kuhn**, who took over as the incoming President of the Society for Biomaterials (2016-2017) at the Society for Biomaterials World Congress in Montreal on May 20, 2016.



On the cover of the Oral Surgery Oral Medicine Oral Pathology Oral Radiology (OORR) July 2016 issue, **Dr. Aditya Tadinada** had one of his images experimenting with nonionizing radiation from OCT featured. The article, “Tissue characterization using optical coherence tomography and cone beam computed tomography: a comparative pilot study”, is in the issue and is authored by Mina Mahdian, DDS, MDS, Hassan S. Salehi, PhD, Alan G. Lurie, DDS, PhD, Sumit Yadav, BDS, MDS, PhD, Aditya Tadinada, DDS, MDS.



Our Apologies

In our last newsletter, we acknowledged UConn Health presentations at the AADR Annual Meeting held last March in Los Angeles, and overlooked one presentation.

Oral Presentation:

Dr. Avinash Bidra, “ACP’s Clinical Practice Guidelines for Recall and Maintenance of Patients with Toothborne and implant-borne restorations”.

Pen to Paper – Submitted Grants

During FY16, the Research Office has submitted 44 grants for the School of Dental Medicine. This does not include approximately 20 internal applications that were submitted directly to Storrs for the CHIP, SPARK, Stimulus and Convergence grant competitions. The SDM researchers have been working hard and busy writing and we want to acknowledge all those who have submitted grants since last July.

NIH R01

Robert Aseltine
I-Ping Chen
Effie Ioannidou
Ivo Kalajzic
Frank Nichols
Ernst Reichenberger (subcontract)
David Rowe
David Rowe (subcontract)

NIH R03

Douglas Peterson (subcontract)

NIH R13

David Rowe

NIH R21

Dashzeveg Bayarsaihan
I-Ping Chen
Caroline Dealy
Effie Ioannidou
Ivo Kalajzic
Liisa Kuhn
Alex Lichtler
Peter Maye
David Rowe
Xiaonan Xin
Sumit Yadav

NIH R34

Effie Ioannidou

NIH Supplement

Susan Reisine

NIH T90/R90

Mina Mina

CHEFA

Robert Aseltine

DOD

David Rowe

HRSA

Bina Katechia

NSH

David Rowe

AAID Foundation

Bailey Proft (Resident)
(Aditya Tadinada, Mentor)

ImStem Biotechnology

Liisa Kuhn

MTF

Ivo Kalajzic

NESO

Meenakshi Vishwanath (Resident)
(Madhur Upadhyay, Mentor)
Alexandro Lima (Resident)
(Flavio Uribe, Mentor)
Joy Chang (Resident)
(Sumit Yadav, Mentor)

Internal Grants:

CHIP, SPARK, Convergence, Stimulus

Robert Aseltine
Angela Bermudez-Millan
I-Ping Chen
Caroline Dealy
Patricia Diaz
Keri Discepolo
Reza Kazemi
J. Robert Kelly
Liisa Kuhn
Rajesh Lalla
Brya Matthews
Peter Maye
Deborah Redford-Badwal
Sumit Yadav

CT Innovations

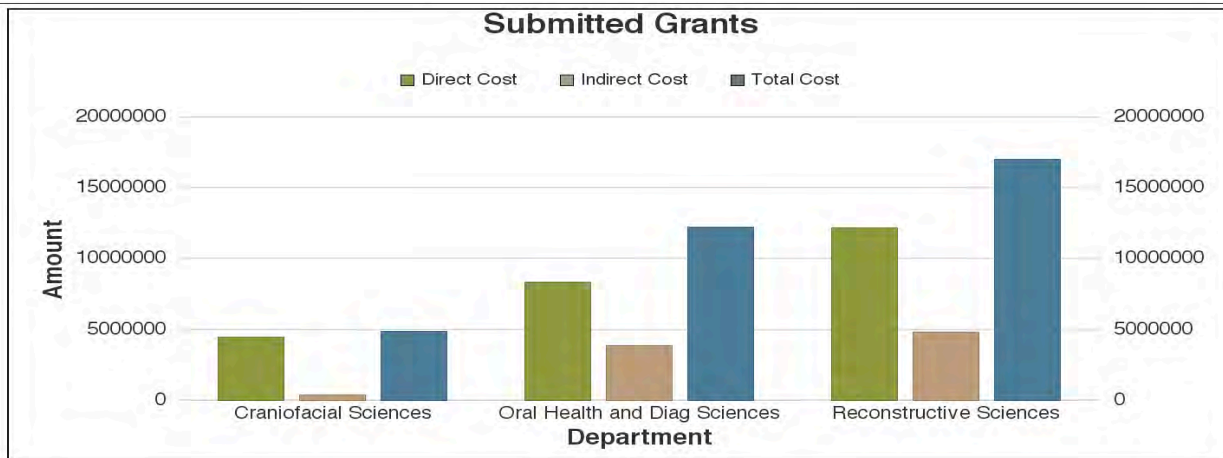
Caroline Dealy
Ivo Kalajzic
Liisa Kuhn
Peter Maye
Xiaonan Xin

Patterson Award

Takanori Sobue

Grant Application Summary Report

7/1/2015 - 6/30/2016



Craniofacial Sciences
Oral Health and Diag Sciences
Reconstructive Sciences

	Direct Cost	Indirect Cost	Total	Grant No
Craniofacial Sciences	\$4,484,413	\$409,411	\$4,893,824	7
Oral Health and Diag Sciences	\$8,359,466	\$3,886,330	\$12,245,796	12
Reconstructive Sciences	\$12,177,202	\$4,838,315	\$17,015,517	25
Total:	\$25,021,081	\$9,134,056	\$34,155,137	44

MATLAB – Campus License

As of July 1, 2016 the University of Connecticut will offer a campus wide license to MATLAB, Simulink, and companion toolboxes. The license will cover on-campus and home software use for all instructors, staff, researchers, as well as classroom and lab installations. Students will also be covered by the campus wide license and will be able to install the software on their personally owned computers.

More information is available at software.uconn.edu/matlab/

HAVE YOU RECEIVED A RECENT AWARD, ACCOMPLISHMENT OR HAVE SOME INTERESTING NEWS TO SHARE WITH THE SDM RESEARCH COMMUNITY? PLEASE FORWARD TO LAURA DIDDEN OR LISA RAMSDALL SO IT MAY BE INCLUDED IN OUR NEXT NEWSLETTER. THANK YOU!

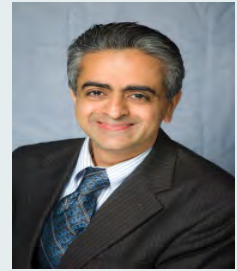


Please mark your calendars for these upcoming events:

SDM Research Seminar Series – Thursday, September 8 (12 – 1 pm) Friends Lecture Room LM-034. Peter Maye will discuss his recent project, “Cherubism and TGF β Signaling”.

SDM Research Seminar Series – Thursday, September 15 (12 – 1 pm) Friends Lecture Room LM-034. Guest speaker Dr. Dan Schwartz, Assistant Professor, Dept. of Physiology & Neurobiology will demonstrate and discuss Lincus.

Research Dean’s Corner



Dear Colleagues,

I hope you find this summer newsletter useful. The goal of these newsletters is to increase communication about funding opportunities and recognize the research-related accomplishments of the SDM community. The past few months have been especially eventful with the renewal of the T90/R90 training grant and the successful SCOB symposium. Everyone who played a part in these efforts deserves our thanks, especially Drs. Mina and Goldberg, as well as Laura Didden and Lisa Ramsdell in the Research Office.

We are also launching a new Research Seminar Series, with the objective of increasing understanding of the research activities of our colleagues and promoting collaborations. Please support this seminar series with your participation and attendance.

Another new activity, developed by Dr. Aditya Tadinada, was presentations of research posters by students and residents at the CSDA annual meeting. Based on its success, this is planned to be an annual activity and provides a valuable opportunity to showcase SDM research to our professional dental colleagues in Connecticut.

Congratulations to those faculty who have obtained new research funding (listed on Page 4). A special shout out to Dr. I-Ping Chen, who recently secured her first R01, in addition to winning intramural grants from both the REP-Convergence and CHIP programs! Since we know how competitive it can be to get research funding, we are also recognizing all faculty who have put in the hard work to apply for research grants.



Dr. I-Ping Chen

Wishing you a great summer!

Rajesh V. Lalla, DDS, PhD
Associate Dean for Research

SDM RESEARCH OFFICE

263 Farmington Avenue
Farmington, CT 06030-3915

Dr. Rajesh Lalla – Associate Dean for Research

Dr. Effie Ioannidou – Director, Dental Clinical Research Center

Dr. Aditya Tadinada –Director of Student Research

Office Staff:

Laura Didden

Lisa Ramsdell

