

# Herman Ostrow School of Dentistry of USC

## 2018 Annual Research Day

### DEAN'S RESEARCH AWARD

**Ana Torres**

“Programmable Orthodontic Expander for Treating Cleft Lip and Palate Patients”

Faculty Advisor: Stephen Yen

### ADVANCED SPECIALTY PROGRAM RESIDENT

**First Place: Ana Torres**

“Programmable Orthodontic Expander for Treating Cleft Lip and Palate Patients”

Faculty Advisor: Stephen Yen

**Second Place: Jasveen Wadia**

“A Novel Biofilm Mediated Osteolytic Infection Model-A Micro-T Analysis”

Faculty Advisor: Homa Zadeh

### GRADUATE POST-DOCTORAL TRAINEE

**First Place: Wei Zhang**

“Modeling Wdr62-related microcephaly disease in 3D cerebral organoid system”

Faculty Advisor: Jianfu Chen

**Second Place: Ryan Roberts**

“Fgfr2 patterns cell fate at the tendon and bone interface”

Faculty Advisor: Amy Merrill

### GRADUATE PRE-DOCTORAL CANDIDATE

**First Place: Stephanie Herrlinger**

“Translational regulation of neural progenitor cells (NPCs) and brain development”

Faculty Advisor: Jianfu Chen

**Second Place: Casey Griffin**

“Neural rest-Derived Forebrain Pericytes in Development and Disease”

Faculty Advisor: Ruchi Bajpai

## BIOKINESIOLOGY & PHYSICAL THERAPY CANDIDATE

### **First Place: K. Michael Rowley**

“Trunk control in persons with recurrent low back pain”

Faculty Advisor: Kornelia Kulig

### **Second Place: Andrew Hooyman**

“Piloting of Paired Associative Stimulation to Modulate Resting-state Intracortical Connectivity”

Faculty Advisor: Carolee Winstein

## BIOKINESIOLOGY & PHYSICAL THERAPY STUDENT

### **First Place: Aram Kim**

“Learning and generalization of an obstacle negotiation task in VR”

Faculty Advisor: James Finley

### **Second Place: Jeongah Kim**

“Using Exploratory Learning to Encourage Selective Hip-Knee Movement in Infants”

Faculty Advisor: Linda Fetters

## OCCUPATIONAL SCIENCE & OCCUPATIONAL THERAPY DOCTORAL STUDENT

### **First Place: Christiana Butera**

“Motor Ability Correlates with Neural Activity during Imitation in Autism”

Faculty Advisor: Lisa Aziz-Zadeh

### **Second Place: Kaori Ito**

“Evaluating Automated Lesion Segmentation Approaches for Stroke MRI Data”

Faculty Advisor: Sook-Lei-Liew

## DDS STUDENT – CLINICAL SCIENCE

### **First Place: Nathan Nourian**

“Multi-bacterial Biofilm and Bone Loss in Peri-implantitis”

Faculty Advisor: Neema Bakhshalian

### **Second Place: Amrita Chakraborty**

“Bio-remineralization with Quantitative Light-induced Fluorescence (QLF)”

Faculty Advisor: Janet Oldak

## DDS STUDENT – BASIC SCIENCE

### **First Place: Taewan Kim**

“Functionalized Scaffold and Membrand for Ridge Preservation”

Faculty Advisor: Seiko Min

### **Second Place: Simon Youn**

“Effects of Periodontal Disease on Transgenic Rate Model of AD”

Faculty Advisor: Ruchi Bajpai

DENTAL HYGIENE

Certificate of Participation: **Nazanin Olyaei**

DENTAL JOURNALISTIC AWARD

Co-Editors, THE EXPLORER

Journal of USC Student Research

**Michelle Cho**

**Ruhee Jaffer**

DR. ANSEL WATROUS FACULTY RESEARCH AWARD

**Neema Bakhshalian**

**Jianfu Chen**

APPRECIATION AWARD

**Donna Castillo**

USC STEVENS CENTER FOR INNOVATION AWARDS

Most Disruptive (Innovative): **Ana Torres**

Best Commercial Potential: **Casey Griffin**

AADR/DENTSPLY SIRONA SCADA AWARD

**Nathan Nourian**