

## **EB2019 Featured Topic Topic Category List for PHYSIOLOGY**

### **Cardiovascular Section**

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#### **FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

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|----------|--|
| 1001-APS | Cardiac ECM niche in health and disease (Dixon/Griffiths)  |
| 1002-APS | Kaley Award Featured Topic (Kubes)   |
| 1003-APS | Wiggers Award Featured Topic (Chien)   |
| 1004-APS | Cardiac and Peripheral Vasculopathies: Emerging Biomarkers, Imaging and Treatments (LeBlanc/Kaufman) |
| 1005-APS | Inflammation and Leukocyte Biology in Cardiovascular Disease (Halade/de Castro Bras)                 |
| 1006-APS | Cardiovascular Metabolism in Diabetes (Hill/Harmancey)   |
| 1007-APS | Cardiovascular Section Young Investigator Competition (Faulkner/Dorrance)                            |
| 1008-APS | Aging, Exercise, and Heart Failure: Common Connections and New Targets (Emter/Wrann)                 |

### **Cell & Molecular Physiology Section**

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#### **FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

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|----------|--|
| 1060-APS | pH Homeostasis and Acid-Base Transport (Parker/Romero)                         |
| 1061-APS | Ion Channels, Solute and Molecular Transporters In Heath and Disease (Baines)  |
| 1062-APS | Molecular Mechanisms of Cellular Signaling and Transduction (Blazer-Yost/Teal) |

### **Central Nervous System Section**

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#### **FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

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|----------|---|
| 1095-APS | Effects of Diet on Emotion and Motivated Behavior (Silberman) |
| 1096-APS | New Advances in CNS Physiology (Wainford)                     |

### **Comparative & Evolutionary Physiology Section**

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#### **FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

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|----------|---|
| 1110-APS | Comparative and Evolutionary Physiology Section Trainee Featured Topic (Crossley) |
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### **Endocrinology & Metabolism Section**

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#### **FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

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|----------|--|
| 1125-APS | Sex specific differences in obesity induced hypertension (Barnes/Primeaux) |
| 1126-APS | Noncoding RNAs: Emerging Functions in Metabolism and Diseases (Wang/Zhang) |

### **Environmental & Exercise Physiology Section**

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**FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

- 1140-APS           Examining Physiological Mechanisms Using Environmental Stressors  
(Johnson/Schlader)
- 1141-APS           EEP Impact Award Featured Topic: Modulation of Systemic and Tissue  
Metabolism via Differences in Activity and Fitness (Morris/Rector)
- 1142-APS           Mechanisms Underlying the Greater Propensity for Cardiovascular Disease in  
Populations with Elevated Risk (Keller/Brothers)

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**Epithelial Transport Group**

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**FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

- 1165-APS           Hans Ussing Lecture Featured Topic (McDonough)
- 1166-APS           Steve Hebert Lecture Featured Topic (Keely)

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**Gastrointestinal & Liver Physiology Section**

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**FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

- 1175-APS           Gastrointestinal and Liver Physiology and Disease (Zachos)
- 1176-APS           Control of cellular organelle function, metabolism, and injury in liver and  
intestinal diseases (Li)

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**Hypoxia Group**

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**FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

- 1210-APS           Hypoxia: Hot Topics in Hypoxia

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**Muscle Biology Group**

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**FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

- 1220-APS           Hot topics in muscle biology (Wang/Mitch)

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**Neural Control & Autonomic Regulation Section**

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**FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

- 1235-APS           Autonomic Anti-inflammatory Mechanisms: Which Branch Trumps? (Mathis)
- 1236-APS           Autonomic Function in Normal and Preeclamptic Pregnancies (Stachenfeld)
- 1237-APS           Regulation of Muscle Sympathetic Outflow during Exercise (Floras/Millar)
- 1238-APS           NCAR Young Investigator Awards Featured Topic

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**Nutrition Physiology Interest Group**

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**FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

- 1270-APS           Hot topics in Nutrition (Thalacker-Mercer/Borsheim)

## **Renal Section**

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### **FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster and once in the oral session)

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|----------|--|
| 1295-APS | Advances in Renal Physiology I (Ellison)   |
| 1296-APS | Advances in Renal Physiology II (Layton)   |
| 1297-APS | Renal Section Young Investigator Award Featured Topic: At the Nexus of Circadian Biology and Renal Physiology (Gumz) |

## **Respiration Section**

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### **FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

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|----------|--|
| 1320-APS | Sex and Gender in Respiratory Physiology (Silveyra/Prakash)  |
| 1321-APS | Mapping The Lung: Leveraging Emerging Technologies To Better Understand Pulmonary Disease (Beers/Bastarache) |
| 1322-APS | Emerging Therapeutics for Respiratory Dysfunction (Turner/Falk)  |
| 1323-APS | Perinatal Reprogramming of Respiratory Control (Huxtable/Baker)  |

## **Teaching of Physiology Section**

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### **FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

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|----------|--|
| 1345-APS | Innovative techniques for teaching health sciences to increase retention and mastery learning (Harrison-Bernard/Jones) |
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## **Water & Electrolyte Homeostasis Section**

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### **FEATURED TOPICS:**

(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster

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|----------|---|
| 1350-APS | Effect of diet on metabolism, cardiovascular and renal physiology and pathophysiology                   |
| 1351-APS | Therapeutic and adverse effects of pharmacological agents on integrative physiology and pathophysiology |
| 1352-APS | Hormones and receptors in homeostatic control of physiology and during allostasis in pathophysiology    |
| 1353-APS | Environmental and epigenetic contributions to disease origin  |