8:00 a.m.–10:00 a.m • Room W202C
#103 Infection in Arthroplasty: The Basic Science of Bacterial Biofilms in its Pathogenesis, Diagnosis, Treatment, and Prevention Thorsten Seyler MD, PhD, FAAOS

8:00 a.m.–10:00 a.m • Room 311A
#108 Taking Charge of Change in 2020: Leading Your Organization through the Evolving Value-Based Payment Landscape Kevin J. Bozic, MD, MBA; Jonathan O’Donnell, MD; Geoffrey Van Thiel, MD, MBA; Moderator: Richard C. Mather, III, MD

8:00 a.m.–10:00 a.m • Room W300
#104 Chronic Achilles Ruptures: From Bracing to Complex Reconstruction Samuel B. Adams, Jr, MD; Scott Ellis, MD; Phinit Phisitkul, MD; Moderator: Daniel C. Farber, MD

8:00 a.m.–10:00 a.m • Room W203
#181 A Case-Based Approach to Revision Total Hip Arthroplasty: Covering the Bases from Simple to Complex Matthew P. Abdel, MD; James A. Browne, MD; George J. Haidukiewych, MD; James I. Huddleston, III, MD; William A. Jiranek, MD; Harpal S. Khanuja, MD; David G. Lewallen, MD; Jay R. Lieberman, MD; Wayne G. Paprosky, MD; Rafael J. Sierra, MD; Moderator: Daniel J. Berry, MD

8:00 a.m.–10:00 a.m • Room W303
#111 Value-Based Spine Care Paul M. Huddleston, MD; Emily C. Nguyen, MD; Elizabeth M. Yu, MD; Moderator: Melissa M. Erickson, MD

8:06 a.m.-8:12 a.m • Room W205B

8:12 a.m.–8:18 a.m • Room W205B
#033 Multiple Rod Construct and Pedicle Subtraction Osteotomy: A Survival Analysis with Minimum Two-Year Follow Up Munish Gupta MD, FAAOS; Renaud Lafage MS; Mostafa Eldafrawy MD; Eric Klineberg MD, FAAOS; Justin Smith MD; Robert Bess MD, FAAOS; Christopher Shaffrey MD, FAAOS; Peter Passias MD, FAAOS; Themistocles Protopsaltis MD, FAAOS; Douglas Burton MD, FAAOS; Robert Hart MD; Richard Hostin MD, FAAOS; Han Jo Kim MD, FAAOS; Christopher Ames MD; Frank Schwab MD; Viriginie Lafage PhD, International Spine Study Group

8:48 a.m.–8:54 a.m • Room W205B
#037 Patient-Related and Radiographic Predictors of Inferior Health-Related Quality of Life Measures in Nonsurgical Adult Spinal Deformity Patients Peter Passias MD, FAAOS; Haddy Alas BS; Avery Brown; Cole Bortz BA; Katherine Pierce BS; Robert Bess MD, FAAOS; Breton Line BS; Viriginie Lafage PhD; Renaud Lafage MS; Christopher Ames MD; Douglas Burton MD, FAAOS; Michael Kelly MD, FAAOS; Richard Hostin MD, FAAOS; Khaled Keabaish MD, FAAOS; Khoi Than MD; Christopher Shaffrey MD, FAAOS; Eric Klineberg MD, FAAOS; Justin Smith MD; Frank Schwab MD

9:42 a.m.–9:48 a.m. Room W205B
#044 Predictors of Serious, Preventable, and Costly Medical Complications in a Population of Adult Spinal Deformity Patients Peter Passias MD, FAAOS; Haddy Alas BS; Robert Bess MD, FAAOS; Renaud Lafage MS; Virginie Lafage PhD; Christopher Ames MD; Douglas Burton MD, FAAOS; D. Kojo Hamilton; Michael Kelly MD, FAAOS; Richard Hostin MD, FAAOS; Eric Klineberg MD, FAAOS; Breton Line BS; Brian Neuman BS; Frank Schwab MD; Christopher Shaffrey MD, FAAOS; Justin Smith MD

8:12 a.m.–8:18 a.m • Room W224E
#063 Polymerase Chain Reaction Multiplex Provides Minimal Utility in Periprosthetic Joint Infection Diagnosis Beau Kildow MD; Richard Danilkowicz MD; Sean Ryan MD; Colin Penrose MD; Alexander Lazarides MD; Michael Bolognesi MD, FAAOS; William Jiranek MD, FAAOS; Thorsten Seyler MD, PhD, FAAOS; Thorsten Seyler MD, PhD, FAAOS; Moderator: Esmail Pour, MD, FAAOS

10:30 a.m.–12:30 p.m • Room 308

10:54 a.m.–11:00 a.m • Room W205B
#124 Targeting Cholesterol Biosynthesis in Enchondromas and Chondrosarcomas: Identification of a New Therapeutic Approach Benjamin Alman MD, FAAOS; Honyuan Zhang; Jay Wunder MD

11:00 a.m.–11:30 a.m • Academy Hall C
Engagement Theater: Prepare for Alternative Payment Models (APMs) and Take Better Care of Your Patients: A Novel System for Hip and Knee Osteoarthritis (OA) Moderator: William Jiranek MD, FAAOS; Richard C. Mather, III MD, FAAOS
1:30 p.m. to 3:30 p.m. • Chapin Theater
Symposium: Solutions to Difficult Problems in Total Knee Arthroplasty  Fred D. Cushner, MD; Douglas A. Dennis, MD;
Stuart B. Goodman, MD, PhD; Joshua J. Jacobs, MD; Steven J. MacDonald, MD; Arun Mullaji, MD, FRCS; Mark W. Pagnano, MD;
Giles R. Scuder, MD; Robert T. Trousdale, MD; Samuel S. Wellman, MD; Moderator: Paul F. Lachiewicz, MD

1:42 p.m.–1:48 p.m. • Valencia Ballroom D
#198 Biceps Tenotomy has Earlier Pain Relief Compared to Biceps Tenodesis: A Randomized Prospective Study
Elshaday Belay MD, Jocelyn Wittstein MD, FAAOS, Grant Garrigues MD, FAAOS, Richard Goldner MD, FAAOS, Tally Lassiter JR MD, FAAOS

1:42 p.m.–1:48 p.m. • Valencia Ballroom D
#198 Biceps Tenotomy has Earlier Pain Relief Compared to Biceps Tenodesis: A Randomized Prospective Study
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Poster #P0004 Next Generation Sequencing Less Accurate than Culture in Determining Presence or Absence of Periprosthetic Joint Infection Diagnosis
Beau Kildow MD; Richard Danilkowicz MD; Sean Ryan MD; Alexander Lazarides MD; Colin Penrose MD; Tyler Vovos MD; Michael Bolognesi MD, FAAOS; William Jiranek MD, FAAOS; Thorsten Seyler MD, PhD, FAAOS

Poster #P0142 Unexpected High Rate of Failure of a Modern Cemented Fixed Bearing Modular Posterior-Stabilized Knee Arthroplasty
Samuel Wellman MD, FAAOS; Tyler Vovos MD; Paul Lachiewicz MD, FAAOS

Poster #P0152 What is the Effect of Posterior Osteophytes on Flexion and Extension Gaps in Total Knee Arthroplasty? A Cadaveric Study
David Holst MD, Gary Doan, Marc Angerame MD, Martin Roche MD, FAAOS, Chadd Clary PhD, Douglas Dennis MD, FAAOS

Poster #P0200 The Impact of Smoking Status on 30-Day Postoperative Adverse Outcomes following Free-Flap Transfers of the Upper Extremity: An Analysis of the National Surgical Quality Improvement Program
Olachi Oleru BS; Neil Shah MD, MS; Dillon Sedaghatpour MD; Peter Zhou MD; Charles Ekstein MD; Suhail Mithani MD; Steven Koehler MD

Poster #P0205 Do Surgical Resections Impact Survival Differently in Intermediate or High-Grade Non-Pelvic vs. Pelvic Chondrosarcoma?  
Cierra Hong BA; Alexander Lazarides MD; David Kerr MD; Jason Somarelli; Julia Visgauss MD; Brian Brigan MD, PhD, FAAOS; Will Eward DVM, MD

Poster #P0227 Impact of Growth Friendly Interventions on Spine and Pulmonary Outcomes of Patients with Spinal Muscular Atrophy
Ishaan Swarup MD; Elle Macalpine; Oscar Mayer MD; Robert Lark MD, FAAOS; John Smith MD, FAAOS; Michael Vitale MD, MPH, FAAOS; Jack Flynn MD, FAAOS; Jason Anari MD; Patrick Cahill MD, FAAOS

Poster #P0259 Intraoperative Fire Risk: Is it Necessary to Wait Three Minutes after Chloraprep Surgical Scrub?  
Sean Ryan MD; Andrew Grier MD; Tyler Vovos MD; Elizabeth Wahl MD; Alexander Lazarides MD; Mark Gage, MD

Poster #P0263 Radiofrequency Identification Instrument Tracking for Surgical Tray Optimization in Carpometacarpal Arthroplasty
Joshua Helmkamp BA; Elliot Le BS; Ian Hill MS; Aman Bali BA; Philip Khoury; Rachel Hein MD; Suhail Mithani MD; Patrick Codd MD; Marc Richard MD, FAAOS

Poster #P0265 The Use of a Telehealth Video Visit Platform to Improve Quality and Access to Care in an Orthopaedic Clinic
John Wickman MD, MBA; Colleen Ferlotti BS; Justin Ferrell BA; Carolyn Hutrya BS, MS; Donna Phinney MSN, RN; Richard C. Mather, III MD, FAAOS

Poster #P0319 The Effect of Pre-Existing versus Shoulder-Related Depression and Anxiety on Outcomes Following Arthroscopic Rotator Cuff Repair
Brian Lau MD; Melissa Scribani MPH; Jocelyn Wittstein MD, FAAOS

Poster #P0227 Impact of Growth Friendly Interventions on Spine and Pulmonary Outcomes of Patients with Spinal Muscular Atrophy
Ishaan Swarup MD; Elle Macalpine; Oscar Mayer MD; Robert Lark MD, FAAOS; John Smith MD, FAAOS; Michael Vitale MD, MPH, FAAOS; Jack Flynn MD, FAAOS; Jason Anari MD; Patrick Cahill MD, FAAOS

Poster #P0285 Synovitis, Fibrosis, and Transient Receptor Potential Channel Upregulation in the Anterior Shoulder Joint Capsule of Total Shoulder Arthroplasty Patients
Abby Chainani MD; Andrew Matson MD; Masoom Chainani BS; Alison Toth MD, FAAOS; Gregory Nicholson MD, FAAOS; Grant Garrigues MD, FAAOS; Dianne Little DVM, PhD

Poster #P0376 Redefining Cervical Spine Deformity Classification through Novel Cut-Offs: An Assessment of the Relationship between Radiographic Parameters and Functional Neurological Outcomes
Peter Passias MD, FAAOS; Katherine Pierce BS; Renaud Lagage MS; Virginie Lafage PhD; Breton Line BS; Eric Klineberg MD, FAAOS; Douglas Burton MD, FAAOS; Alan Daniels MD; FAAOS; Jeffrey Gum MD, FAAOS; D. Kojo Hamilton; Han Jo Kim MD, FAAOS; Robert Bess MD, FAAOS; Themistocles Protopsaltis MD, FAAOS; Robert Eastlack MD, FAAOS; Christopher Shaffrey MD, FAAOS; Frank Schwab MD, Justin Smith MD; Christopher Ames MD; International Spine Study Group

Poster #P0475 Perioperative Inpatient Opioid Usage in Lower Extremity Fracture Fixation
Daniel Cunningham MD, Mark Gage MD