Surgery Inclusive Excellence Statement

The Department of Surgery, Sanford School of Medicine, adheres to the values and principles outlined in the University of South Dakota Diversity and Inclusiveness Statement. We respect and value diversity and inclusiveness in our department. Thus, gender, race, ethnicity, disability status, religion, sexual orientation, nationality, age, veteran status, and/or other relative social identities are accepted and respected in our department.
Administration

Chair
Timmerman, Gary L, MD FACS, Professor

Vice-Chair
Thambi-Pillai, Thavam, MD FACS, Professor

Clerkship Director
Person, Michael A, MD, Clinical Associate Professor

LIC Coordinators
Guido, Jenny, MD, Assistant Professor, Sanford LIC Coordinator
Fromm, David, MD, Clinical Associate Professor, West River LIC Coordinator
Person, Michael, MD, Clinical Associate Professor, Avera LIC Coordinator
Serck, Luke, MD, Clinical Associate Professor, Yankton Coordinator

Section Heads
Gaspari, Jack, MD, Clinical Professor, Anesthesiology
Gust, Troy, Clinical Assistant Professor, NeuroSurgery
Osmundson, Gregory, MD, Clinical Associate Professor, Ophthalmology
Van Demark Jr, Robert E, MD, Clinical Professor, Orthopedic Surgery
Scott, Kenneth, MD, Clinical Associate Professor, Otolaryngology
Nguyen, Hoang, MD, Clinical Assistant Professor, Plastic Surgery
Witte, Matthew, MD, Clinical Associate Professor, Urology
Faculty Promotions

Thavam Thambi-Pillai, MD, promoted to Full Professor
New Faculty

Butz, John G  
Wood Thum, Lauren N  
Weigelt, John A  
Weasel, Jacob  
Angelos, George  
Wood Thum, Lauren  
Menees, Aarika  
Shashikant, Mark  
Miller, Lee Patrick  
In’t Veld, Elise  

Anesthesiology, WR  
Urology  
General Surgery, WR  
General Surgery, WR  
General Surgery  
Urology  
Orthopedics  
Plastic Surgery  
Plastic Surgery  
Ophthalmology
Professor

John A. Weigelt, MD, DVM, MMA
Professor
### MATCH RESULTS 2010-2019

<table>
<thead>
<tr>
<th>Year</th>
<th>General Surgery</th>
<th>Surgical Specialties</th>
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<td>2019</td>
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</table>
2019 Surgery Interest Group:

PRESIDENT - JESSICA SIMPKINS
TREASURER
SECRETARY
EVENT COORDINATOR
VERMILLION REP
McVay Surgical Paper Award

Kristopher (Kris) Johnson, MSIV, pictured with Dr Peter Andreone, 2019
The Department of Surgery held its fourth Surgery “Bootcamp” April 1-12. Twelve students, recently matched for residencies in General Surgery, Orthopedic Surgery, Ophthalmology, Anesthesia, OB/Gyn, Family Medicine and Emergency Medicine, participated in the two week course. Fundamental Intern survival skills were covered, along with ethics and professionalism skills. Outstanding participation by the Parry Center staff, surgical and medical faculty and surgical resident house-staff contributed to the quality and high satisfaction scores for the course ranging from 4.69 to 4.92/5.0.
Surgery Residency Prep Curriculum Course
Surgery Residency Prep
Curriculum Course
2019-2020
General Surgery Residents

Michael Burt
Oregon Health & Science University
School of Medicine

Kristopher Johnson
University of South Dakota
Sanford School of Medicine

Rebekah Wood
Wright State University
Boonshoft School of Medicine
<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>7/11/2018</td>
<td>Dr. Curtis Peery</td>
<td>Update in Bariatrics</td>
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<tr>
<td>7/25/2018</td>
<td>Dr. Sarah Jones-Sapienza</td>
<td>Intestinal Emergencies in Newborns, Infants and Children</td>
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<tr>
<td>8/1/2018</td>
<td>Dr. Patrick Joaly</td>
<td>The Development of a Residency Program in Minimally Invasive Surgery</td>
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<td>Visiting Speaker - Program Director from Beach</td>
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<tr>
<td>8/8/2018</td>
<td>Dr. George Angelos</td>
<td>Hannibal, Fistula and Fissures - Oh My!</td>
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<tr>
<td>8/22/2018</td>
<td>Dr. Melisio Johnson</td>
<td>The Dance of Dyspepsia: Modern Treatment of Gastrointestinal Disease</td>
</tr>
<tr>
<td>9/12/2018</td>
<td>Dr. Matt Kaminsky</td>
<td>Report from the County</td>
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<tr>
<td>9/26/2018</td>
<td>D. Rohan Jeudy</td>
<td>The Development of a Residency Program in Minimally Invasive Surgery</td>
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<td>Visiting Speaker - Program Director from Haiti</td>
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<tr>
<td>10/10/2018</td>
<td>Dr. Marti Kaminsky</td>
<td>Report from the County</td>
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<tr>
<td>10/24/2018</td>
<td>Dr. Melissa Johnson</td>
<td>The Demon of Dyspepsia: Modern Treatment of Gastrointestinal Disease</td>
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<tr>
<td></td>
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<td>From Silicone to Statistics - Breast Reconstruction: Myths and Facts</td>
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<tr>
<td>11/7/2018</td>
<td>Dr. Stalin Campos</td>
<td>History of Transplantation and Immunosuppression</td>
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<td>Guest Speaker covering Dr. Thambi's Transplant - Albert Einstein, Philadelphia, PA</td>
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<tr>
<td>11/12/2018</td>
<td>Dr. Beth Tacl</td>
<td>The Surgical Management of Crohn's</td>
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<tr>
<td>12/12/2018</td>
<td>Dr. Stalin Campos</td>
<td>Complications of Renal Transplant and Management</td>
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<td>Guest Speaker covering Dr. Thambi's Transplant - Albert Einstein, Philadelphia, PA</td>
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<tr>
<td>1/2/2019</td>
<td>Dr. Gary Tameran</td>
<td>Pancreatic Disease: How Hard Can It Be?</td>
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<tr>
<td>1/23/2019</td>
<td>Dr. Derek Dohler</td>
<td>Postoperative Pain Management in the Operated Patient</td>
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<tr>
<td>2/13/2019</td>
<td>Dr. Alson Ahmad</td>
<td>Applications of ICG/Fluorescence Imaging in Surgery</td>
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<tr>
<td>2/27/2019</td>
<td>Dr. William Simmons</td>
<td>The Value of Medical Mission Trips Lessons Learned During a Week in Haiti</td>
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<tr>
<td>3/13/2019</td>
<td>Dr. Greg Neihaus</td>
<td>cYVAR: Minimally Invasive Approach to the Hepatocellular Carcinoma</td>
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<tr>
<td>4/10/2019</td>
<td>Dr. Karen Hsu</td>
<td>Surgical Palliative Care</td>
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<tr>
<td>4/23/2019</td>
<td>Dr. Edward Chen</td>
<td>Tips on Stalking the Flame &amp; Avoiding Breast</td>
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<tr>
<td>5/8/2019</td>
<td>Dr. John Weigand</td>
<td>Pushing the Envelope on Liver and Spleen Injury</td>
</tr>
<tr>
<td>6/12/2019</td>
<td>Dr. Wade Paulson</td>
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</table>
Timmerman, Gary, MD: Peer Reviewer, Annals of Surgery:
   “Rural America’s Surgical Subspecialist Crisis”
   “A Comparison of Clinical and Financial Outcomes at Urban and Rural Hospitals among Patients Receiving Inpatient Surgical Care
Baumgarten, Keith, MD: Friend of Athletic Training, SD Athletic Trainers Association
Pilar De La Puente, PhD: Obtained Graduate Faculty Status, 2018
Mel Johnson, MD: Class of 1954 Warren Jones Award, 2019
SSOM Committees

RESEARCH COMMITTEE
Richard Howard, MD 2022

GRADUATE MEDICAL EDUCATION
Mat Malek, MD (PGY2)
Ex Officio:
   Thavam Thambi-Pillai, MD
   Amber L Johnson, Program Coordinator

STUDENT FINANCIAL AID COMMITTEE
Joel Farmer, MD 2019

STUDENT PROGRESS AND CONDUCT
Melissa K Johnson, MD 2018

ADMISSIONS
Peter Looby, MD 2021
Joel Farmer, MD 2019

ADMINISTRATIVE COUNCIL
Gary Timmerman, MD

EXECUTIVE COMMITTEE
Gary Timmerman, MD
## State & National Committees

<table>
<thead>
<tr>
<th>Name</th>
<th>Role and Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peter A Andreone, MD</td>
<td>Governor, SD American College of Surgeons</td>
</tr>
<tr>
<td>Michael Bauer, MD</td>
<td>President, SD Chapter American College of Surgeons</td>
</tr>
<tr>
<td>Keith Baumgarten, MD</td>
<td>Secretary/Treasurer, SD State Orthopaedic Society</td>
</tr>
<tr>
<td>John Berdahl, MD</td>
<td>Chair, Membership Committee, ASCRS</td>
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<td>Chair, Eye Care American Committee, AAO</td>
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<tr>
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<td>President, Vanguard Ophthalmology Society</td>
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<tr>
<td>Paul Bjordahl, MD</td>
<td>Vice Chair of SD Committee on Trauma, SD American College of Surgeons</td>
</tr>
<tr>
<td>Melissa K Johnson, MD</td>
<td>Secretary/Treasurer, SD American College of Surgeons</td>
</tr>
<tr>
<td>Sarah Jones-Sapienza, MD</td>
<td>Chair, Graduate Women in Medicine and Science (WIMS)</td>
</tr>
<tr>
<td>Michael Person, MD</td>
<td>State Director, Committee on Trauma, SD American College of Surgeons</td>
</tr>
<tr>
<td>Jon Ryckman, MD</td>
<td>Medical Director, SD Emergency Medical Services</td>
</tr>
<tr>
<td>Kenneth Scott, MD</td>
<td>President, SD Academy of Otolaryngology</td>
</tr>
<tr>
<td>William Chad Spanos, MD</td>
<td>Past President, SD American College of Surgeons</td>
</tr>
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</table>
## State & National Committees

<table>
<thead>
<tr>
<th>Name</th>
<th>Position and Responsibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thavam Thambi-Pillai, MD</td>
<td>President-Elect, International College of Surgeons (ICS), US Section</td>
</tr>
<tr>
<td></td>
<td>Chair, Board of Regents International College of Surgeons (ICS), US Section</td>
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<td>Chair, Commission on Cancer of the ACS</td>
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<tr>
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<td>Alternate Council Member, 7th District Medical Society, SD Medical Association</td>
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<td>Member, Honors Committee, International College of Surgeons (ICS), US Section</td>
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<tr>
<td></td>
<td>Member, Executive Committee, International College of Surgeons (ICS), US Section</td>
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<tr>
<td>Gary L Timmerman, MD</td>
<td>Regent, Board of the American College of Surgeons (ACS)</td>
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<td>State Trauma Medical Director, SD Trauma System Statewide</td>
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<td>Certifying Exam (Oral Boards) Examiner – American Board of Surgery</td>
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<tr>
<td></td>
<td>Chair, Health Policy and Advocacy Group- American College of Surgeons</td>
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<td>Committee on Optimal Surgical Access- American College of Surgeons</td>
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<td>ACS Surgery News: Editorial Board Reviewer</td>
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<td></td>
<td>ACS Bulletin-Editorial Board</td>
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The table above lists the roles and responsibilities of two individuals regarding state and national committees. Thavam Thambi-Pillai, MD is involved in various roles within the International College of Surgeons (ICS), including President-Elect and Chair of the Board of Regents. Gary L Timmerman, MD is a Regent of the American College of Surgeons and holds several other positions including State Trauma Medical Director and Chair of the Committee on Optimal Surgical Access.
Grants/Clinical Trials

- **Baumgarten, Keith MD.** Co-Investigator: Operative vs non-operative treatment for atraumatic rotator cuff tears: A multicenter randomized controlled pragmatic trial. Patient-centered Outcomes Research Institute (PCORI), $7,500,000 (2017-2022)

- **Thavam Thambi-Pillai MD**
  - Post-op Pain control using Exparel (liposomal Bupivacaine) in renal transplant recipients and in living donor nephrectomy patients
  - Prospective outcome based research on role of Irreversible Electroporation (NanoKnife) in the management of locally advanced (stage III) pancreatic cancer patients.
  - Renal transplant outcomes among Native Americans.

- **Vermeer, Paola PhD**
  - 5P20GM103548-08 (Miskimins); 07/01/2016 – 06/30/2021 $18,553
  - NIH/NIGMS
  - Center for Cancer Biology Research
  - Phase II will focus on cancer research with direct translational relevance to human patients. Thus four of our five project leaders are physician scientists with expertise spanning basic, translational and clinical cancer research. The goal is to translate our laboratory findings into human clinical trials.
  - Role: Program Coordinator
Grants/Clinical Trials

- Internal (Vermeer); 7/1/2018-6/30/2019  $40,000
  Sanford Health Foundation
  Using Ephrin B1 antibodies to attenuate tumor innervation in head and neck squamous cell carcinoma

1U54GM128729 (Basson); 5/15/2019-5/14/2020 $25,000
NIH/NIGMS; DaCCoTA Feasibility Pilot
Testing the utility of EphrinB1 antibodies for tumor control in ovarian cancer

1U54GM128729 (Basson); 5/15/2019-5/14/2020 $97,561
NIH/NIGMS; DaCCoTA Scholar Program
Tumor innervation in ovarian Cancer

MacFadden, Lisa PhD
- Golf Biomechanics
- Pitching Biomechanics
- Movement Volume and Mobility
- Balance and proprioception measurement methodology
Abstracts/Presentations


Lisa MacFadden, PhD

- I like the way you move – Can biomechanics improve sports performance and reduce injury? USD Biomedical Engineering Seminar, April 2018
- Golf: Integrating Science, Technology and Medicine to improve a Golfer’s Health and Performance. 2018 Sanford Sports Medicine Symposium, April 2018
- Golf Fitness and Injuries. National High School Coaches Association Annual Meeting. June 2018
- Finding Personal Success: A Perspective on Developing your Career Path. Second Annual Joint UND-NDSU Biomedical Engineering Symposium, October 2018
- Integrative Systems Modeling of Military Physical Performance. USD Biomedical Engineering Seminar, December 2018
Paola Vermeer, PhD

1) Exosome-mediated tumor innervation leads to clinically more aggressive tumors
Virginia Commonwealth University, May 1, 2019

2) Exosome-mediated tumor innervation leads to clinically more aggressive tumors
South Dakota State University, March 20, 2019

3) Head and Neck squamous cell carcinoma: initiation, progression and metastasis
University of Sioux Falls, Feb 13, 2019

4) Exosome-mediated tumor innervation leads to clinically more aggressive tumors
University of Nebraska Medical Center, November 29, 2018

5) Tumors recruit nerves to promote disease progression
Sanford Community Lecture, November 15, 2018

6) Exosome-mediated tumor innervation leads to clinically more aggressive tumors
University of Pennsylvania, October 19, 2018

7) Exosome-mediated tumor innervation leads to clinically more aggressive tumors
The Wistar Institute, October 15, 2018

8) Exosome-mediated tumor innervation leads to clinically more aggressive tumors
University of South Dakota, Department of biomedical engineering, Sept 27, 2018
Publications

• Stephen Scott Bollinger, MD; Mark Gregory DeSautel, MD; William Chad Spanos, MD; Brian Joel Tjarks, MD. Adenoid Cystic Carcinoma of the Maxillary Sinus with Isolated Trigeminal Anesthesia. SD Medicine July 2018 71(7):294-298.
• Sara Marroquin, MD, MPH; Derek Dirks, MD; Thav Thambi-Pillai, MD, FACS. Case Report: Intraductal Papillary Mucinous Neoplasms of the Biliary Tract. SD Medicine July 2018 71(7):300-302.
• Jeffrey Edman; Hassan Turaihi, MD; Bhavesh Patel, MD; Gary Timmerman, MD; and Thavam Thambi-Pillai, MD. Annual Pancreas in Adults: Case Report and Literature Review. SD Medicine Feb 2019 72(2):54-57.
• Jesse Van Maanen, MD; Hassan Turaihi, MD; Paula Denevan, MD; Thavam Thambi-Pillai, MD, MBA, FICS, FACS. Overview and Management of Small Bowel Obstruction versus Ileus: A Primer for All Physicians. SD Medicine May 2019 72(5):226-231.
• Lucido CT, Miskimins WK, Vermeer PD. Propranolol Promotes Glucose Dependence and Synergizes with Dichloroacetate for Anti-Cancer Activity in HNSCC. Cancers (Basel) 2018 Nov 30;10(12).
Publications

- Lucido CT, Callejas-Valera FL, Colbert PL, Vermeer DW, Miskimins WK, Spanos, WC, Vermeer PD. B2-Adrenergic receptor modulates mitochondrial metabolism and disease progression in recurrent/metastatic HPV(+) HNSCC. Oncogenesis 2018 Oct 8;7(10):81.


Publications


