

Award: Linnea Hauge, PhD, Promising Educational Scholar

Basic Information

Name

Sarah Jung PhD

Your title:

Assistant Professor of Surgery, Education Research and Program Development

Your Institution:

University of Wisconsin-Madison

Your email address:

jungs@surgery.wisc.edu

Name of nominee:

Christopher Stahl

Nominee's Institution:

University of Wisconsin-Madison

Nominee's title:

General Surgery Resident, PGY 4

Nominee's email address:

cstahl@uwhealth.org

Eligibility

Is the nominee a senior resident (PGY4 or higher)?

Yes

Short Essays

Why do you think the nominee deserves this award?

Chris is one of the most passionate and productive surgical education research fellows that I have worked with. He is committed to advancing the science of learning and teaching in surgery and to being a diligent and capable surgical educator. Chris' education master's degree work embodies using education science, specifically knowledge about how people learn with visual representations, to improve specific aspects of surgical education, namely recognizing surgical planes and anatomy, in order to speed the learning curve while making access to surgical learning platforms more equitable. Chris has a plan for continuing his surgical education research and contributions to education scholarship and societies after completing his surgical training.

How has the nominee demonstrated passion and enthusiasm for surgical education scholarship?

Chris used part of his two-year residency research time to earn a Master of Science Education degree from the UW-Madison Department of Educational Psychology. He has published numerous peer-reviewed articles in well-respected surgical education journals, and he presented his work at the shortened virtual meeting of the ASE in 2020. Additionally, he was a plenary presenter at the 2021 ASE meeting, and we were recently able to publish that work in Global Surgical Education-Journal of the Association for Surgical Education. Chris has chosen to pursue a surgical education research path in two areas that will only continue to need more attention, competency-based education with Entrustable Professional Activities and learning in surgery through virtual representations. The research into novel techniques and formats for surgical learning he has chosen to pursue demonstrates his passion for surgical education research and enthusiasm to continue with his program of surgical education scholarship.

Please give an example of the nominee role modeling professionalism.

The example that most readily comes to mind during my interactions and collaborations with Chris is his mentorship style while working with more junior colleagues and students in the research lab. As you will see in his CV, he shares senior authorship of an Annals of Surgery paper with a medical student collaborator, Elena Padilla. Elena is a medical student planning to go into surgery who worked with Chris and our research team on the project on Entrustable Professional Activities and gender differences, and Chris was her primary mentor. He taught Elena the data cleaning and statistical analysis techniques that she needed to run the analyses agreed upon by our research team. He also supported her through and contributed heavily to the writing of the manuscript, allowing her to learn but also making sure the manuscript was of a quality for publication. Chris really shaped Elena's experience and made it enjoyable and productive.

Additional Information

Please list program or curriculum development or scholarly projects the nominee has led.

- Created surgical video library for the residency working with attendings to create annotated technical videos of how they perform their operations

- Records medical student/junior resident 'chalk talks' on various surgical topics and puts them on a Youtube channel for review and broader dissemination

- Multiple SCORE curriculum contributions (see CV)

- Contributed chapter to ACS Advanced curriculum in general surgery (see CV)

Please list the nominee's peer-reviewed manuscripts related to surgical education.

- Jung S, Stahl CC, Rosser AA, Kraut AS, Schnapp BH, Westergaard M, Hamedani AG, Minter RM, Greenberg JA. Multi-disciplinary assessment of the entrustable professional activities of surgery residents. *Glob Surg Educ - J Assoc Surg Educ.* 2022;1(1). doi:10.1007/s44186-022-00029-w

- Hammaker AC, Dodwad SJM, Salyer CE, Adams SD, Foote DC, Ivascu FA, Kader S, Abelson JS, Al Yafi M, Sutton JM, Smith S, Postlewait LM, Stopenski SJ, Nahmias JT, Harvey J, Farr D, Callahan ZM, Marks JA, Elsaadi A, Campbell SJ, Stahl CC, Hanseman DJ, Patel P, Woeste MR, Martin RCG, Patel JA, Newcomb MR, Greenwell K, Meister KM, Etheridge JC, Cho NL, Thrush CR, Kimbrough MK, Nasim BW, Willis RE, George BC, Quillin RC, Cortez AR. A multi-institutional study from the US ROPE Consortium examining factors associated with directly entering practice upon residency graduation. *Surgery.* Published online July 1, 2022:S0039-6060(22)00418-4. doi:10.1016/j.surg.2022.05.033

- Padilla EP*, Stahl CC*, Jung SA, Rosser AA, Schwartz PB, Aiken T, Acher AW, Abbott DE, Greenberg JA, Minter RM. Gender Differences in Entrustable Professional Activity Evaluations of General Surgery Residents. *Ann Surg.* Published online April 14, 2021. doi:10.1097/SLA.0000000000004905

- Collins E, Stahl C, Schnapp B, Westergaard M, Greenberg J, Jung S, Rosser A, Minter R, Hamedani A, Kraut A. Changing Medical Education When Change Is Hard: Implementing an Interdepartmental Entrustable Professional Activity. *AEM Educ Train.* 2021;5(3):e10561. doi:10.1002/aet2.10561

- Stahl CC, Funk LM, Schumacher JR, Zarzaur BL, Scarborough JE. The Relative Impact of Specific Postoperative Complications on Older Patients Undergoing Hip Fracture Repair. *Jt Comm J Qual Patient Saf.* Published online December 14, 2020. doi:10.1016/j.jcjq.2020.12.005

- Stahl CC, Jung SA, Rosser AA, Kraut AS, Schnapp BH, Westergaard M, Hamedani AG, Minter RM, Greenberg JA. Natural language processing and entrustable professional activity text feedback in surgery: A machine learning model of resident autonomy. *Am J Surg.* Published online November 26, 2020. doi:10.1016/j.amjsurg.2020.11.044

- Isom CA, Bisgaard EK, Campbell KM, Courtney C, Erickson C, Faber DA, Gauger PG, Greenberg JA, Kassam A-F, Mullen JT, Phares A, Quillin RC, Salcedo ES, Schaffer AJ, Scaria D, Stahl CC, Wise PE, Kauffmann RM, Chen X, Smith JJ, Terhune KP. Does Intentional Support of Degree Programs in General Surgery Residency Affect Research Productivity or Pursuit of Academic Surgery? A Multi-Institutional Study. *J Surg Educ.* Published online August 22, 2020. doi:10.1016/j.jsurg.2020.07.008

- Stahl CC, Jung SA, Rosser AA, Kraut AS, Schnapp BH, Westergaard M, Hamedani AG, Minter RM, Greenberg JA. Entrustable Professional Activities in General Surgery: Trends in Resident Self-Assessment. *J Surg Educ.* Published online June 12, 2020. doi:10.1016/j.jsurg.2020.05.005

- Stahl CC, Collins E, Jung SA, Rosser AA, Kraut AS, Schnapp BH, Westergaard M, Hamedani AG, Minter RM, Greenberg JA. Implementation of Entrustable Professional Activities into a General Surgery Residency. *J Surg Educ.* February 2020. doi:10.1016/j.jsurg.2020.01.012

Please list the nominee's leadership roles in courses or groups related to surgery and surgical education, including involvement in national committees related to surgical education as well as local leadership roles.

- American Board of Surgery (ABS) Entrustable Professional Activities (EPA) Technology Working Group

Please list the nominee's educational awards and honors.

While having not yet received formal education awards, Chris consistently receives high teaching evaluations from medical students on his services. He was one of the top resident teachers in under consideration for our General Surgery Resident Teaching Award last year. The only reason we did not give it to him is because he was a PGY 3 last year, and we're confident he will be in the running again as a PGY4 this year. He is also the only resident that I have known of for whom we have considered creating a new teaching award for educational contributions to the department. Chris has collaborated with attendings here to capture, edit, and develop instructional operative videos for the residence and he also has a YouTube channel on which he has created 50+ publicly available videos on surgery for medical students and residents.

File Uploads:

Please upload nominee's CV

- [Stahl-CV.pdf](#)

Please upload an educational scholarship statement that includes a synthesis of contributions to educational scholarship and

vision for the nominee's educational scholarship over the next 3-5 years.

- [Educational-Scholarship-Statement-Chris-Stahl.pdf](#)