



## IMIA Student and Emerging Professionals SG3 2021 Report

### **Laura-Maria Peltonen, Co-Chair (2019-2021)**

Clinical lecturer, Docent  
Department of Nursing Science, University of Turku  
Turku, Southwest Finland

### **Max Topaz, Co-Chair (2019 - 2021)**

Elizabeth Standish Gill Associate Professor of Nursing  
Columbia University Medical Center; Columbia University Data Science Institute; Visiting Nurse  
Service of New York  
New York, NY, USA

**Website:** <https://imia-medinfo.org/wp/student-and-emerging-professionals-special-interest-group-sep-sig/>

---

## 1. Achievements

### **Scientific publications:**

1. Ronquillo C. et al. (2021). Using artificial intelligence in nursing: Priorities, opportunities, and recommendations from an international invitational think-tank of the Nursing and Artificial Intelligence Leadership (NAIL) Collaborative. <https://doi.org/10.1111/jan.14855>.
2. Topaz M. et al. (2021). How to Improve Information Technology to Support Healthcare to Address the COVID-19 Pandemic: an International Survey with Health Informatics Experts. <https://doi.org/10.1055/s-0041-1726491>
3. Atique S. et al. (2020). A nursing informatics response to COVID-19: perspectives from five regions of the world. <https://doi.org/10.1111/jan.14417>.
4. Moen H et al. Towards automated screening of literature on artificial intelligence in nursing. (MEDINFO)
5. Jeon, E. et al. (2021). Emergency Remote Learning in Nursing Education During the COVID-19 Pandemic. *Stud Health Technol Inform.* 281, 942–946.
6. Fernandez-Luque L. et al. (2020). Evidence-based health informatics as the foundation for the COVID-19 response: a joint call for action. <https://doi.org/10.1055/s-0041-1726414>.
7. Ronquillo C. et al. Improved representation of health equity in artificial intelligence applications: The untapped potential of nursing and allied health data. *Yearb Med Inform* (submitted).

## 5 Conference presentations and panels:

1. Barakati S. et al. Health Informatics Solutions in Response to COVID-19: Preliminary Insights from an International Survey. EFMI-STC2020. *Studies in health technology and informatics*, 275, 222–223.  
<https://doi.org/10.3233/SHTI200727>
2. Topaz M. et al. Grand challenges in using artificial intelligence in nursing: summary of an international think-tank. International Congress on Nursing Informatics 2021. Brisbane.
3. Ronquillo, C et al. (2021). Priorities and opportunities for Artificial Intelligence in Nursing from an international think-tank of the Nursing and Artificial Intelligence Leadership (NAIL) Collaborative. ICN Congress 2021
4. Peltonen LM. et al. Will Artificial Intelligence Replace Nurses? A debate. NI2021.
5. Ronquillo C. (2021). Artificial intelligence in Nursing: International perspectives. Invited lecture to the AI in Nursing Webinar of the Australian Alliance for Artificial Intelligence in Healthcare (AAAIH) and Macquarie University (Sydney).

## 2. Describe WG/SIG Participation

1. SEP SIG Prepared and conducted a series of recorded “[Introduction to IMIA working groups](#)” interviews with IMIA leadership, including the President (S. Koch), NI SIG (A. Rotegrad), Chair of WGs (L. Fernandez-Luque), IAHSI president (B. Hersh), SEP SIG (LM. Peltonen, M. Topaz). These have been published on the IMIA YouTube channel.
2. SEP members have closely collaborated with the NI SIG group e.g. organising NI2021 (SPC, editorial work) and redistributing newsletters.
3. Actively collaborating within the SEP and outside the group on publications and international surveys, as described in publications and conference presentations.

## 3. Provide details of the WG/SIG's Outreach

1. The SEP group has worked to find means to reach out to new members, but the pandemic has inhibited face-to-face meetings. We were able to organise a student networking event at the NI2021 conference online (<https://ni2021.org/virtual-networking/>)
2. In addition to our gmail list, we have started a newsletter platform, where we publish our and other IMIA WG's newsletters <https://imia-sep-newsletter.pory.app/>
3. We are also on Facebook: <https://www.facebook.com/groups/448772348489821> and Instagram.
4. We have established our YouTube channel for getting more visibility and recruiting new members:  
<https://www.youtube.com/channel/UCHR3ctYStLWAn2Q0BizVtA>
5. We engaged with IAHSI leadership and initiated a collaboration between SEP-IAHSI.
6. We have different ongoing research projects. Some projects resulted in publications, and some are under re-evaluation for potential of continuing to successfully progress. Some projects are on hold due to project leaders being focusing on responding to COVID-19 pandemic.

#### 4. **Current List of members:**

We have about 200 members recruited. About 10% of these are very active and attend 1-2 monthly meetings.

##### **Core members**

###### Chairs

- Laura-Maria Peltonen (Finland)
- Maxin Topaz (USA)

###### Vice chairs:

- Charlene Ronquillo (Canada)
- Dari Alhuwail (Kuwait)
- James Mitchell (UK)

###### Secretary

- Adrienne Lewis (Canada)

###### Outreach:

- Clair Kronk (USA)

###### Research:

- Shabbir Syed (Taiwan)
- Hans Moen (Finland)

###### Social:

- Lydia Sequeira (Canada)

###### Communications:

- Sai Pawan Kumar Veeranki (Austria)

###### SEP NI group:

- Hanna von Gerich (Finland)
- Lori Block (Canada)
- Raji Nibber (Canada)
- Janine Sommer (Argentina)
- Lisiane Pruinelli (USA)
- Erika Lozada Perezmitre (Mexico)
- Gabrielle Eler (Brazil)
- Jude L. Tayaben (Philippines)
- Eunjoo Jeon (South Korea)
- Jisan Lee (South Korea)
- Seyedeh-Samin Barakati (Canada)

###### Members:

- Douglas Mbang Massom (Camerun)
- Alana Esty (Canada)
- Mollie Hobensack (USA)
- Jiyoun Song (USA)
- Lisa Reed (Australia)
- Sara Hughes (Australia)
- Zerina Tomkins (Australia)