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Curriculum vitae

Thilo Schuler, MD & MHInf

Final year Radiation Oncology trainee and PhD candidate in clinical informatics. His research interests relate to Digital Health with a focus on patient-generated data and routine care translation. In particular he is interested in digitally-enhanced approaches in genitourinary (GU) and palliative Radiation Oncology

QUALIFICATIONS

Primary medical degree	German state examination in medicine (MD) <i>Albert-Ludwigs-University Freiburg, Germany</i> <ul style="list-style-type: none"> ● Overall final mark of 2.0 (max. 1, min. 6) - Top 20% ● Graduated Nov 2008
AHPRA registration number	MED0001634180 (General medical registration in Australia)
Other qualification	Master of health informatics (MHInf) <i>Central Queensland University, Australia</i> <ul style="list-style-type: none"> ● Program established and led by Prof Evelyn Hovenga ● Weighted Grade Point Average (WGPA): 6.42 (max. 7) - Distinction ● Graduated Jul 2009

CLINICAL TRAINING

Feb 2015 - present	Radiation Oncology Trainee at Royal North Shore Hospital in Sydney <ul style="list-style-type: none"> ● Accredited position as part RANZCR training program ● Including 6-month rotation to Westmead Hospital (Feb-Jul 2016) and 6-month rotation to Central Coast Cancer Centre in Gosford (Feb-Jul 2020) ● Involved in department's clinical research and IT projects ● From February 2017: full-time role split between part-time training and research (see PhD section below)
Aug 2014 - Jan 2015	Palliative Medicine Registrar at Western Hospital in Melbourne <ul style="list-style-type: none"> ● Temporary maternity leave cover position working for two consultants as part of consult service ● Participating in a half-day symptom management clinic for radiation oncology patients treated at the Peter MacCallum Cancer Centre-run radiation therapy facility in Sunshine
Feb 2014 - Jul 2014	Medical Registrar at Wollongong Hospital
Jan 2013 - Feb 2014	Senior Resident Medical Officer (SRMO) at Wollongong Hospital <ul style="list-style-type: none"> ● Including oncology rotation - Tablet Device PRO project (see 'Health IT Experience' & 'Publications' sections) was demonstrated to the department
Jul 2011 - Jan 2013	Resident Medical Officer (RMO) at Wollongong Hospital
Mar 2007 - Feb 2008	Internship (German "Praktisches Jahr") <ul style="list-style-type: none"> ● General medicine - <i>Lucerne Cantonal Hospital of Internal Medicine Sursee, Switzerland</i> ● Dermatology (elective) - <i>University Hospital Zurich, Switzerland</i> ● General and vascular surgery - <i>City Hospital Karlsruhe, Germany</i>

HEALTH IT EXPERIENCE

Feb 2017 - ongoing	PhD in Clinical Informatics (part-time) Centre of Health Informatics (CHI) at the Australian Institute of Health Innovation, Macquarie University.
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Topic: The role of patient-generated data in data-driven routine cancer care
Supervisor: A/Prof Blanca Gallego Luxan (Leader clinical analytics and machine learning at the Centre for Big Data Research in Health, UNSW);
Co-supervisors: Prof Enrico Coiera (Director of CHI), A/Prof Thomas Eade (Director of Research Radiation Oncology at Northern Sydney Cancer Centre at Royal North Shore Hospital)

- Jan 2013 - May 2014 **Collecting Patient Reported Outcomes (PROs) with a Tablet Computer**
 Successful implementation of a prototype, which imports PROs into the Oncology Information System MOSAIQ® (see publication no. 12 below).
- Feb 2011 - Jun 2011 **National E-Health Transition Agency (NEHTA), Brisbane**
 Application of clinical knowledge to create content models for the Personally Controlled Electronic Health Record (PCEHR) project
- Aug 2009 - Jun 2010 **MCS Parametrix AG, Switzerland (now CompuGroup Medical Schweiz AG)**
 Project manager and implementation consultant at Switzerland's leading clinical information system vendor
- Mar 2009 - Jul 2009 **Swisscom IT Services, Zurich, Switzerland**
 Consultant in the health care division advising on IT-enabled health care processes
- Jan 2003 - Jun 2004 &
 Mar 2006 - Dec 2008 **University Hospital Freiburg, Freiburg, Germany**
 Part-time researcher in the medical informatics department (40hrs/month) during medical school

SELECTED PUBLICATIONS

1. Schuler T, King C, Matsveru T, Back M, Clark K, Chin D. Wearable-triggered ecological momentary assessments are feasible in people with advanced cancer and their family caregivers: Feasibility study from an outpatient palliative care clinic at a cancer centre. *Journal of Palliative Medicine*. 2023 Mar [accepted].
2. Schuler T, Currow D, Clark K, Back M. Letter to the Editor: Sleep Disturbances in People with Advanced Cancer and Their Informal Caregivers: A Digital Health Exploration. *Journal of Palliative Medicine*. 2022 Jun 1;25(6):851-2.
3. Schuler T, Wong S, Bergamin S, Hruby G, Back M, Roderick S, et al. In Regard to Roos et al. *International Journal of Radiation Oncology*Biophysics*. 2022 Jan;112(1):260-1.
4. Schuler T, King C, Back M, Doria T, MacLeod P, Patterson P, et al. Optimising community service use with ePRO-based screening during routine radiation oncology care. In: *Asia-Pacific Journal of Clinical Oncology*. Sydney; 2021. p. 23-72. (**Best oral poster award**).
5. Schuler T, Back M, Hruby G, Carroll S, Jayamanne D, Kneebone A, et al. Introducing Computed Tomography Simulation-Free and Electronic Patient-Reported Outcomes-Monitored Palliative Radiation Therapy into Routine Care: Clinical Outcomes and Implementation Experience. *Advances in Radiation Oncology*. 2021 Mar 1;6(2).
6. Schuler T, Kneebone A, Hruby G, van Gelder R, Hunter J, Eade T. Driving innovation through electronic PROMs in Radiation Oncology routine care. In: *Journal of Medical Imaging and Radiation Oncology*. 71th Virtual RANZCR ASM 2021. doi: 10.1111/1754-9485.13303.
7. Schuler T, Hruby G, Eade T. Patient-reported outcome measures (PROMs) in routine care palliative radiotherapy. *Radiotherapy and Oncology*. 2021 Jan;154:e10-e11. doi: 10.1016/j.radonc.2020.06.002.
8. van Gysen K, O'Toole J, Le A, Wu K, Schuler T, Porter B, et al. Rolling out RapidPlan: What we've learnt. *Journal of Medical Radiation Sciences*. 2020;67(4):310-7.
9. Schuler T, Kipritidis J, Eade T, Hruby G, Kneebone A, Perez M, et al. Big Data Readiness in Radiation Oncology: An Efficient Approach for Relabeling Radiation Therapy Structures With Their TG-263 Standard Name in Real-World Data Sets. *Advances in Radiation Oncology*. 2019 Jan 1;4(1):191-200.
10. Schuler T, Hruby G, Kwong C, Brown, C, Clarke S, Gallego B, et al. Quantitative results from the Tracker Study: feasibility of real-time activity and weight monitoring during routine care of oncology patients. The Royal Australian and New Zealand College of Radiologists (RANZCR), 70th Annual Scientific Meeting, 17-20 October 2019, Auckland, New Zealand (in *JMIRO* 2019). 2019;63(S1):89-102.
11. Schuler T, Liu T, Lamoury G, Morgia M, Carroll S, Hruby G, et al. Comparing comprehensiveness and accuracy of data between radiotherapy databases for breast and prostate cancer at the same institution. In: The Royal Australian and New Zealand College of Radiologists (RANZCR), 69th Annual Scientific Meeting, 25-28 October 2018, Canberra, Australia (in *JMIRO* 2018).
12. Schuler T, Podreka A, Guo L, Kwong C, Hruby G, Eade T. Completeness of routinely collected ePROs in 3 radiation oncology patient groups. In: The Royal Australian and New Zealand College of Radiologists (RANZCR), 68th Annual Scientific Meeting in *Journal of Medical Imaging and Radiation Oncology*. https://doi.org/10.1111/1754-9485.1_12656; 2017. p. 53-4.
13. Schuler T, Miller AA. PROsaic: A Smart Device-Based and EMR-Integrated System for Patient-Reported Outcome Measurement in Routine Cancer Care. *J Radiat Oncol Inform*. 2014 Jun 19;6(1):111-31.