

CURRICULUM VITÆ

DR EMILY HE

BSc(Med) MBBS(Hons) MPH PhD CF FRACP

I am a staff specialist gastroenterologist and hepatologist with extensive clinical experience in gastrointestinal and liver disorders. I am also a clinician researcher, having completed a PhD in bowel cancer screening and prevention, undertaken jointly at the University of New South Wales (supervisors: Professors Robyn Ward and Karen Canfell) and the University of Oxford (supervisor: Dame Professor Valerie Beral DBE AC FRS). I was awarded a Churchill Fellowship in 2017 to explore new innovations in bowel cancer screening. My research centres on translational epidemiology, focussing on the use of observational epidemiological studies to inform clinical practice and shape health services implementation in gastrointestinal and liver cancer control.



Qualifications:

2018	Doctor of Philosophy (PhD) <i>UNSW</i> <i>Thesis: Colorectal cancer risk, screening and treatment: using epidemiological approaches to inform better understanding in cancer control</i>
2013	Fellow of the Royal Australasian College of Physicians (FRACP)
2010	Master of Public Health <i>UNSW</i> <i>Major in Research Methodology & Health Promotion</i>
2005	BSc(Med) MBBS(Hons) <i>UNSW</i>

Current Employment

2019 –	<i>Staff Specialist Gastroenterologist and Hepatologist</i> Concord Repatriation General Hospital, Sydney Local Health District
2019 – present	<i>Senior Research Fellow, Gastrointestinal Group</i> The Daffodil Centre, a joint venture of Cancer Council NSW and the University of Sydney.
2019 – 2021	<i>Senior Research Fellow, School of Public Health</i> University of Sydney

Previous Clinical Appointments and Training

2015 – 2019	<i>Consultant Gastroenterologist and Hepatologist</i> Central Coast Local Health District
2012 – 2013	<i>Clinical and Research Fellow in Hepatology</i> Prince of Wales Hospital & Prince of Wales Clinical School, University of NSW

2010 – 2011	<i>Advanced Trainee in Gastroenterology</i> Prince of Wales Hospital, South Eastern Sydney Local Health District
2008 – 2009	<i>Basic Physician Trainee</i> East Coast Medical Network
2006 – 2007	<i>Internship and Residency</i> Prince of Wales Hospital, South Eastern Sydney Local Health District
2005	<i>University of London Elective Program:</i> Clinical elective clerkship in Neurology at St George’s Hospital, London
2004	<i>Harvard Medical School Exchange Program</i> Clinical clerkship in Endocrinology at the Brigham and Women’s Hospital, Boston, Massachusetts, USA.

Research Appointments

2019 – present	<i>Senior Research Fellow, School of Public Health</i> University of Sydney
2019 – present	<i>Senior Research Fellow, Gastrointestinal Group</i> Cancer Council NSW
2018 – 2019	<i>Postdoctoral Research Fellow, Bowel Group</i> Cancer Council NSW
2014 – 2017	<i>PhD candidate</i> Prince of Wales Clinical School, UNSW and Cancer Council NSW Supervisors: Professor Karen Canfell DPhil Professor Robyn Ward AM MBBS PhD FRACP FAHMS
2016 – 2017	<i>Doctoral Student</i> Cancer Epidemiology Unit University of Oxford, Oxford, United Kingdom Supervisor: Dame Valerie Beral AC DBE FRS FRCOG MRCP
2012 – 2013	<i>Gastroenterology Clinical and Research Fellowship</i> Prince of Wales Hospital Supervisor: Professor Stephen Riordan MD FRACP FRCP

Selected research projects

2018 – present	Prevention and early detection of colorectal cancer in Australia: part of <i>Pathways to a Cancer Free Future</i> , an Initiative by Cancer Council NSW
2019 – present	<i>Roadmap for Liver Cancer Control in Australia</i> : part of a Commonwealth-funded project through Cancer Council Australia

Committees:

2023 – present	Member of the Working Party for <i>Cancer Council Australia Colorectal Cancer Guidelines</i>
2022 – present	Member of the Working Party for <i>Roadmap for Liver Cancer Control in Australia</i>
2022 – present	Member of the GESA Liver Clinical Research Network (CRN)

Teaching experience:

2019 – present	Teaching medical students on ward rounds and dedicated teaching blocks
2019 – present	<i>Co-coordinator</i> of CEPI5312: Diagnostic and Screening Tests Sydney School of Public Health, University of Sydney
2010 – 2012	<i>Clinical Tutor</i> East Coast Medical Physician Training Network Regular bedside tutorials for basic physician trainees Engaged in organising RACP 2010 Clinical Examinations

Achievements and Awards:

2017	Churchill Fellowship
2016	Prince of Wales Clinical School Travel Grant (2016)
2015	White-Walker UNSW & University of Oxford Cancer Research Scholarship
2015 – 2017	National Health and Medical Research Council (NHMRC) Postgraduate Scholarship, RG141797
2014	Prince of Wales Clinical School Postgraduate Research Scholarship
2010 & 2011	Best Registrar Teacher Award – Prince of Wales Clinical School
2011	Annual Coast Association TOW Research Awards Winner of the Case Presentation Award for Medicine
2009	Annual Coast Association TOW Research Awards Winner of the Case Presentation Award
1999	DUX of James Ruse Agricultural High School (aeq.) New South Q Scholarship NSW All-Rounder's List & Australian Students Prize for Excellence Premier's Trophy for Excellence in the New South Wales Higher School Certificate

Publications:

- Grogan P, He E, Pockney P. *Improving colonoscopy prioritisation and promoting the National Bowel Cancer Screening Program: keys to reducing bowel cancer burden*. Public Health Res Pract. 2023 Mar 15;33(1)
- Worthington J, Lew JB, He E, Broun K, D'Onise K, Grogan P, Canfell K, Feletto E. *The 'hot zone policy' for colorectal cancer screening presents unique risks and opportunities for rural Australia*. Aust J Rural Health. 2023 Mar 13
- Worthington J, He E, Lew JB, St John J, Horn C, Grogan P, Canfell K, Feletto E. *Colonoscopies in Australia - how much does the National Bowel Cancer Screening Program contribute to colonoscopy use?* Public Health Res Pract. 2023 Mar 15;33(1):32342216.
- Yap S, He E, Egger S, Goldsbury DE, Lew JB, Ngo PJ, Worthington J, Rillstone H, Zalberg JR, Cuff J, Ward RL, Canfell K, Feletto E, Steinberg J. *Colon and rectal cancer treatment patterns and their associations with clinical, sociodemographic and lifestyle characteristics: analysis of the Australian 45 and Up Study cohort*. BMC Cancer. 2023 Jan 18;23(1):60.
- Steinberg J, Chan P, Hogden E, Tiernan G, Morrow A, Kang YJ, He E, Venchiarutti R, Titterton L, Sankey L, Pearn A, Nichols C, McKay S, Hayward A, Egoroff N, Engel A, Gibbs P, Goodwin A, Harris M, Kench JG, Pachter N, Parkinson B, Pockney P, Rangunathan A, Smyth C, Solomon M, Steffens D, Toh JWT, Wallace M, Canfell K, Gill A, Macrae F, Tucker K, Taylor N. *Lynch syndrome testing of colorectal cancer patients in a high-income country with universal healthcare: a retrospective study of current practice and gaps in seven Australian hospitals*. Hered Cancer Clin Pract. 2022 May 4;20(1):18.
- Chan MV, Huo YR, Trieu N, Mitchell A, George J, He E, Lee AU, Chang J, Yang J. *Noncontrast MRI for Hepatocellular Carcinoma Detection: A Systematic Review and Meta-analysis - A Potential Surveillance Tool?* Clin Gastroenterol Hepatol. 2022 Jan;20(1):44-56.e2.
- Goldsbury DE, Feletto E, Weber MF, Haywood P, Pearce A, Lew JB, Worthington J, He E, Steinberg J, O'Connell DL, Canfell K. *Health system costs and days in hospital for colorectal cancer patients in New South Wales, Australia*. PLoS One. 2021 Nov 29;16(11):e0260088.
- Lew JB, Greuter MJE, Caruana M, He E, Worthington J, St John DJ, Macrae FA, Feletto E, Coupé VMH, Canfell K. *Validation of Microsimulation Models against Alternative Model Predictions and Long-Term Colorectal Cancer Incidence and Mortality Outcomes of Randomized Controlled Trials*. Med Decis Making. 2020 Aug;40(6):815-829.
- Steinberg J, Chan P, Hogden E, Tiernan G, Morrow A, Kang YJ, He E, Venchiarutti R, Titterton L, Sankey L, Pearn A, Nichols C, McKay S, Hayward A, Egoroff N, Engel A, Gibbs P, Goodwin A, Harris M, Kench JG, Pachter N, Parkinson B, Pockney P, Rangunathan A, Smyth C, Solomon M, Steffens D, Toh JWT, Wallace M, Canfell K, Gill A, Macrae F, Tucker K, Taylor N. *Lynch syndrome testing of colorectal cancer patients in a high-income country with universal healthcare: a retrospective study of current practice and gaps in seven Australian hospitals*. Hered Cancer Clin Pract. 2022 May 4;20(1):18.
- Feletto E, Lew JB, Worthington J, He E, Caruana M, Butler K, Hui H, Taylor N. *Pathways to a cancer-free future: a protocol for modelled evaluations to minimise the future burden of colorectal cancer in Australia*. BMJ Open 2020;10:e036475.
- Lew JB, Greuter MJE, Caruana M, He E, Worthington J, St John DJ, Macrae FA, Feletto E, Coupé VMH, Canfell K. *Validation of Microsimulation Models against Alternative Model Predictions and Long-Term Colorectal Cancer Incidence and Mortality Outcomes of Randomized Controlled Trials*. Medical Decision Making. 2020;40:815-29.
- Blanks R, Burón Pust A, Alison R, He E, Barnes I, Patnick J, Reeves GK, Floud S, Beral V, Green J. *Screen-detected and interval colorectal cancers in England: Associations with lifestyle and other*

factors in women in a large UK prospective cohort. International Journal of Cancer 2019;145:728-34.

- Lew JB, St John DJB, Macrae FA, Emery JD, Ee HC, Jenkins MA, He E, Grogan P, Caruana M, Sarfati D, Greuter MJE, Coupé VMH, Canfell K. *Evaluation of the benefits, harms and cost-effectiveness of potential alternatives to iFOBT testing for colorectal cancer screening in Australia.* International Journal of Cancer 2018;143:269-82.
- Lew JB, St John DJB, Macrae FA, Emery JD, Ee HC, Jenkins MA, He E, Grogan P, Caruana M, Greuter MJE, Coupé VMH, Canfell K. *Benefits, Harms, and Cost-Effectiveness of Potential Age Extensions to the National Bowel Cancer Screening Program in Australia.* Cancer Epidemiol Biomarkers Prevention 2018;27:1450-61.
- He E, Alison R, Blanks R, Pirie K, Reeves G, Ward RL, Steele R, Patnick J, Canfell K, Beral V, Green J. *Association of ten gastrointestinal and other medical conditions with positivity to faecal occult blood testing in routine screening: a large prospective study of women in England.* International Journal of Epidemiology 2019;48:549-58.
- He E, Lew JB, Egger S, Banks E, Ward RL, Beral V, Canfell K. *Factors associated with participation in colorectal cancer screening in Australia: Results from the 45 and Up Study cohort.* Preventive Medicine 2018;106:185-93.
- He EY, Wyld L, Sloane MA, Canfell K, Ward RL. *The molecular characteristics of colonic neoplasms in serrated polyposis: a systematic review and meta-analysis.* The Journal of Pathology Clinical Research 2016;2:127-37.
- He EY, Hawkins NJ, Mak G, Roncolato F, Goldstein D, Liauw W, Clingan P, Chin M, Ward RL. *The Impact of Mismatch Repair Status in Colorectal Cancer on the Decision to Treat With Adjuvant Chemotherapy: An Australian Population-Based Multicenter Study.* The Oncologist 2016;21:618-25.
- Lew JB, St John DJB, Xu XM, Greuter MJE, Caruana M, Cenin DR, He E, Saville M, Grogan P, Coupé VMH, Canfell K. *Long-term evaluation of benefits, harms, and cost-effectiveness of the National Bowel Cancer Screening Program in Australia: a modelling study.* The Lancet Public Health 2017;2:e331-e40.
- Wang LW, He EY, Ghosh D, Day RO, Jones GR, Subbiah RN, Holloway CJ. *Severe carbon monoxide poisoning from waterpipe smoking: a public health concern.* The Medical Journal of Australia 2015;202:446-7.
- He EY, Wang LW, Kiernan MC. *Scurvy and stroke - is there an association?* The Medical Journal of Australia 2010;193:555-6.
- Wang LW, He EY. *Flexible working arrangements in prevocational training: implications for the delivery of safe and effective health care.* Australian health review : a publication of the Australian Hospital Association 2010;34:49-51.

Reports

- Cancer Council NSW (2021). *Roadmap to Liver Cancer Control Scoping Review.* Report produced for Cancer Council Australia

Referees

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