

Sam Abraham

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PhD-qualified medical editor/writer, healthcare research and communication consultant, and quantitative and qualitative researcher, with extensive local and international experience. Specific roles and responsibilities in evidence-based medical research, editing/writing for scientific journals, writing clinical research modules, and policy and guideline development. Academic training in medical sciences and applied linguistics (medical research writing) with awards for academic and research achievement. A keen interest in multiple aspects of healthcare quality especially medical communication, evidence-based quality control, clinical education, and the teaching of effective research writing strategies to Australian born and English as a Second/Foreign Language speakers. Proven ability to work in a team, establish internal and external collaborations, timely manage projects to completion, and highly adaptive to changing environments, roles, and responsibilities.

Education and Credentials

Master of Applied Linguistics with specialisation in evidence-based writing and TESOL,

University of Melbourne, 2018

PhD in Science (Cancer Genetics), University of Adelaide, 2009

Bachelor of Science Honours (Upper Class-I), University of Adelaide, 2006

Bachelor of Biotechnology, University of Adelaide, 2005

Healthcare research, editing, writing, assessment and quality management experience

ENAGO SCIENTIFIC EDITING

Freelance Scientific Editor, started November 2021

- Edit medical/scientific research article in preparation for publication in international journals.

COPYPRESS

Australia Copyeditor, started November 2021

- Edit and proofread blogs a wide range of areas for publication on client websites

ROYAL AUSTRALASIAN COLLEGE OF SURGEONS, East Melbourne, Victoria

Quantitative Research Specialist, April 2020 to Current

- Write healthcare articles including research reports and manuscripts.
- Edit articles, reports and educational materials for content accuracy, recency/relevance of data, correct referencing, grammar, flow of information, etc.
- Perform detailed reviews of written clinical research modules with regards to suitability for readership, ease of understanding, content, clarity, flow and accuracy for surgical education and continued professional development

- Provide consultation for research writing, data analysis, survey governance, etc.
- Write retrospective and predictive analyses using qualitative and quantitative approaches to investigate return on investment in research and training strategies
- Write reports based on empirical data for quality control, decision-making and policy development by the Surgical Education and Training Boards, and all relevant administrators and stakeholders
- Write reports in response to the Australian Medical Council's request for information for the college's ongoing accreditation.
- Write and publish research articles focusing on continuous improvement of curriculum content, as well as supervisor, surgical trainee and community needs
- Provide advice on report, research proposal and research article writing
- Review, improve and create surveys and interviews to gather trainee and supervisor perspectives.
- Provide advice on ethics applications, research methods, and quantitative and qualitative data analyses

CAMBRIDGE ENGLISH (Occupational English Test), Melbourne, Victoria

Assessment Support Manager, April 2019 to April 2020 (contract with Cambridge Assessment)

Under the direction of the senior assessment manager and in multiple collaborations, I monitored, managed, reviewed, and signed off the production of the speaking and writing sub-tests of Occupational English test (OET) for 12 healthcare professions. In addition, I also perform the following duties in collaboration with colleagues and various departments:

- Performed multiple rounds of reviews, editing and proofreading for test materials
- Reviewed and assessed quality and accuracy of test materials in conjunction with clinical guidelines.
- Played a major role in designing workflows and detailed plans for our team.
- Developed policies and guidelines for writing, reviewing and quality management processes for external consultants (item writers, reviewers and subject matter experts).
- Provided expertise for quantitative analysis for quality control of exam marking purposes.
- Analysed test content-related candidate and assessor feedback and reported evidence-based feedback to OET's Cambridge University item writing management team.
- Responded to candidate complaints when escalated to our team by customer service.
- Developed educational materials in collaboration with the education team.
- Designed assessment guidelines and training materials for assessors.
- Uploaded test materials onto the online test platform and supervised test-day contingency procedures.
- Continued learning new skills in advanced Excel, InDesign, statistics, as well as in customer service and other business and management related skills.
- I also collaborated with various other internal departments such as customer service (test item improvement/complaints), finance (external consultant pay rates and invoice processing), digital technology (test construction and delivery platform improvements), human resources (interviewing/recruitment of external consultants) and others.

UNIVERSITY OF MELBOURNE, Parkville, Victoria

Casual Researcher, September 2019 to February 2020 (short-term project help)

Carried out research in linguistics and sociocultural factors of clinical writing (research, reviews and doctor-patient communication in multicultural settings). I used various quantitative and qualitative

approaches.

UNIVERSITY OF ADELAIDE, SCHOOL OF MEDICINE, Adelaide, South Australia

Senior Postdoctoral Researcher and Casual Teacher, March 2016 to 2019

Based at the South Australian Health and Medical Research Institute and the School of Medicine, I carried out the following:

- Designed and conducted research in cognitive neuroscience, diabetes and obesity.
- Designed projects for and supervised graduate and visiting research students.
- Supervised groups of health sciences, medicine and nursing students in discovery research projects.
- Mentored students applying for and succeeding in post-graduate study.
- Taught and assessed research proposal/literature review writing skills.
- Managed tutorial sessions to complement cognitive- and neuroscience-based disease lecture series in collaboration with lecturers.

INTERNATIONAL CHRISTIAN UNIVERSITY, Tokyo, Japan

Invited Casual Professor (medical sciences), December 2014 to March 2015

Designed curriculum and delivered 70-minute lecture series for second- and third-year biology of disease students. Assessed student progress through exams and assignments. Taught research methods and scientific English writing skills.

- Mentored students for applications and interviews with overseas institutions.
- Mentored students in preparation for international English language tests.

THE UNIVERSITY OF TOKYO, GRADUATE SCHOOL OF MEDICINE, Tokyo, Japan

Researcher, Editor and Academic English Teacher, September 2013 to March 2015

Carried out cognitive neuroscience research, taught medical English and performed editing and proofreading of scientific/clinical manuscripts.

- Edited manuscripts, emails, conference oral presentation slides and student theses.
- Taught scientific/medical English writing and presentation skills to graduate students, scientists, and medical doctors.

TOKYO UNIVERSITY OF PHARMACY AND LIFE SCIENCES, Tokyo, Japan YOKOHAMA

CITY UNIVERSITY, GRADUATE SCHOOL OF MEDICINE, Tokyo, Japan

Medical English Lecturer and Editor, April 2012 to March 2015

Designed lecture series and lecture materials in coordination with supervisors specific to students from diverse academic backgrounds. Taught oral and poster presentation skills and academic writing.

- Mentored students for applications and interviews with overseas institutions.
- Mentored students in preparation for international English language tests.
- Edited manuscripts, emails, conference oral presentation slides and student theses.
- Taught scientific/medical English writing and presentation skills to graduate students, scientists, and medical doctors.

RIKEN BRAIN SCIENCE INSTITUTE, Saitama, Japan

Researcher, April 2011 to September 2014

Carried out cognitive neuroscience research and editing of scientific/medical manuscripts.

KYOTO UNIVERSITY, GRADUATE SCHOOL OF MEDICINE, Kyoto, Japan

Researcher, Editor and Academic English Teacher, December 2009 to March 2011

Carried out cancer research, editing and academic/medical English teaching.

- Mentored students for applications and interviews with overseas institutions.
- Mentored students in preparation for international English language tests.
- Edited manuscripts, emails, conference oral presentation slides and student theses.
- Taught scientific/medical English writing and presentation skills to graduate students, scientists, and medical doctors.

UNIVERSITY OF ADELAIDE, SCHOOL OF MOLECULAR AND BIOMEDICAL SCIENCES, Adelaide, South Australia

Casual Teacher/Tutor and demonstrator, February 2006 to November 2009

Supervised tutorial classes for first- and second-year science students. Assisted students on academic writing and taught research presentation skills. Supervised exams in collaboration with the coordinator. Supervised groups of students in scientific practical classes and group work research proposals.

Awards

The Terry Quinn Award for Applied Linguistics (best minor thesis; area: research writing)—The University of Melbourne, 2019

The 2018 Faculty of Arts Dean's Honours List for academic excellence in Master of Applied Linguistics— The University of Melbourne, 2019

Japan Society for the Promotion of Science Visiting Foreign Post-Doctoral Fellowship (2016)

Japan Society for the Promotion of Science Post-Doctoral Fellowship (2010)

Takeda Pharmaceuticals, Takeda Science Foundation Award (2009)

Asia Pacific Developmental Biology Network Conference Participation award (2007, 2008)

Centre for Molecular Genetics of Development Conference Participation award (2007, 2008)

Network in Genes and Environment in Development (NGED) Conference Participation Scholarship (2008)

Publications

Medical sciences:

1. Li, J., Sekine-Aizawa, Y., **Abraham, S.**, Tanaka, S., and Okabe, S. (2019). "Tumor suppressor protein CYLD regulates morphogenesis of dendrites and spines". *European Journal of Neuroscience*, 50(4):2722-2739.
2. **Abraham, S.**, Yalgin, C., Delandre, C., Yoong, L.F., Akimoto, S., Tran, H., Amikura, R., Spokony, R., Torben-Nielsen, B., White, K., and Moore, A.W. (2015). "Centrosomin represses dendrite branching by orienting microtubule nucleation". *Nature Neuroscience*, 18(10):1437-45.
3. **Abraham, S.**, and Okabe, S. (2014). "Structural dynamics of dendritic spines: molecular composition, geometry and functional regulation". *Biochimica et Biophysica Acta*, 1838(10):2391-8.
4. **Abraham, S.**, and Gregory, S.L. (2011). "Dissecting protein interactions during cytokinesis". *Communicative and Integrative Biology*, 4(2):243-4.
5. Tanji, M., Ishizaki, T., **Abraham, S.**, Tsuboguchi, Y., Sukezane, T., Akagi, T., Frame, M.C., Hashimoto, N., Miyamoto, S., and Narumiya, S. (2010). "mDia1 Targets v-Src to Cell Periphery and Facilitates Cell Transformation, Tumorigenesis and Invasion". *Molecular and Cellular Biology*, 30(19):4604-15.
6. **Abraham, S.**, Fraval, H., Murray, M., Saint, R., and Gregory, S.L. (2010). "Polo Kinase interacts directly with RacGAP50C and is required for the localisation of the cytokinesis initiation complex". *Journal of Biological Chemistry*, 285(37):28667-73.
7. Gregory, S.L., **Abraham, S.**, Milverton, J., Jones, W.M., Bejsovec, A., and Saint, R. (2008). "Cell Division Requires a Direct Link between Microtubule-Bound RacGAP and Anillin in the Contractile Ring". *Current Biology*, 18(1):25-9.

Applied Linguistics:

I have a minor thesis from the Master of Applied Linguistics for which I received an award (as above). The focus was on various linguistics aspects of medical research writing, especially those relevant to the flow of ideas, formality and abstraction versus clarity, conciseness and so on. Currently, I am also preparing manuscripts for publication, stemming from my master's thesis in the following areas:

- 1) Pragmalinguistic influences on research report writing: investigating research writing by Japanese medical doctors before and after arrival in Australia (area: health health and metabolism and clinical research writing).

Presentations

1. Oral Presentation, Swinburne University, Halliday and Academic Learning Literacies Symposium, 2018. (Area: clinical research writing)
2. Oral presentation, Kyorin University (Japan), The Musashino *Drosophila* Meeting in, 2013. (Area: neuronal dendrite development and disease)
3. Invited visiting researcher oral presentation, University of Adelaide, 2013. (Area: neuronal dendrite development and disease)
4. Poster presentation, Asia Pacific Society for Neurochemistry, 2012. (Area: neuronal dendrite development and disease)
5. Poster presentation, Japanese Society for Neurochemistry, 2012. (Area: neuronal dendrite development and disease)
6. Poster and oral presentations, Japanese *Drosophila* conference, 2012. (Area: neuronal dendrite development and disease)
7. Poster presentation, Japanese Cancer Association, 2010. (Carcinogenesis and epithelial cancers)
8. Oral presentation, RIKEN Brain Science Institute, Saitama, Tokyo, Japan, 2008. (Cell-cycle, cancer genetics and drug resistance)
9. Oral presentation, Graduate School of Medicine, Kyoto University, 2008. (Cell-cycle, cancer genetics and drug resistance)
10. Oral Presentation, Cancer Institute, 2008. (Cell-cycle, cancer genetics and drug resistance)
11. Poster and oral presentations, Japanese *Drosophila* Conference, 2007. (Cell-cycle, cancer genetics and drug resistance)