Curriculum Vitae – Johannes Schroth

Personal Information:

Name	Johannes Schroth
Nationality	German
E-Mail	j.schroth@qmul.ac.uk johannesschroth11@gmail.com
Work Address	Centre of Translational Medicine and Therapeutics, William Harvey Research Institute, Charterhouse Square, London EC1M 6BQ
Languages	German (native speaker), English (fluent), Spanish (basic)

Academic Education:

2019 – Td.	**PhD Candidate** William Harvey Research Institute, Queen Mary University of London.
2016 – 2019	**BSc Medical Genetics (Hons)** First class honours. Queen Mary University of London.
2013 – 2015	**International Baccalaureate Diploma** Raha International School, Abu Dhabi.

Professional Experience:

Jan 2020 – Td.	**PhD Representative** London Immunology Group British Society for Immunology Organising events, seminars, and meetings as well as public engagement.
Dec 2020 – Mar 2021	**PhD Student Internship** Adelphi Real World (Part-time) Extraction and curation of real-world datasets for pharmaceutical companies.
Jun 2018 – Mar 2019	**Undergraduate Research Project** Centre for Translational Medicine & Therapeutics at the William Harvey Research Institute London Investigating the internalization and recycling of insulin receptors in senescent immune cells in type 2 diabetes.

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Jun 2017 –Aug 2017	**Undergraduate Student Internship** Heart Centre at the William Harvey Research Institute London. Investigating long-QT syndrome type 1 (KCNQ1 gene mutations), elucidating potassium channels inability to associate with the cell membrane.

List of Publications:

1. Yildiz O, **Schroth J**, Tree T, Turner MR, Shaw PJ, Henson SM, Malaspina A. Senescent blood lymphocytes and disease progression in amyotrophic lateral sclerosis. Manuscript in preparation.

2. Yildiz O, **Schroth J**, Lombardi V, Pucino V, Bobeva Y, Schmierer K, Mauro C, Tree T, Henson SM, Malaspina A. Beta2-integrin (CD11b)-expressing monocytes and disease progression in amyotrophic lateral sclerosis. Submitted and in review at Neurology.

3. Callender LA, Carroll EC, Ketchley CG, **Schroth J**, Bystrom J, Berryman V, Pattrick M, Richards DC, Hood GA, Hitman GA, Finer S, Henson SM. Impaired nutrient uptake by CD8+ EMRA T cells reinforces the senescent state observed during type 2 diabetes. Front. Aging. 2:681428. doi.org/10.3389/fragi.2021.681428

4. Callender LA*, **Schroth J***, Carroll EC, Romano LEL, Hendy E, Kelly A, Lavender P, Akbar AN, Chapple JP, Henson SM. GATA3 controls mitochondrial biogenesis in primary human CD4+ T cells during DNA damage. Nat. Commun. 2021;12:3379. doi.org/10.1038/s41467-021-23715-7

5. **Schroth J***, Weber V*, Jones TF, Del Arroyo AG, Henson SM, Ackland GL. Association of preoperative lymphopenia with mortality and morbidity after elective surgery: a systematic review and meta-analysis. Br. J. Anaesth. 2021;127(1):32-40. doi.org/10.1016/j.bja.2021.02.023

6. **Schroth J**, Henson SM. Mitochondrial Dysfunction Accelerates Ageing. Immunometabolism. 2020;2(4):e200035. doi.org/10.20900/immunometab20200035

7. **Schroth J**, Thiemermann C and Henson SM. Senescence and the Aging Immune System as Major Drivers of Chronic Kidney Disease. Front. Cell Dev. Biol. 2020;8:564461. doi.org/10.3389/fcell.2020.564461

(asterisk denotes coauthors)