

## Edie Crosse, PhD

Damon Runyon Fellow  
Fred Hutchinson Cancer Center  
ecrosse@fredhutch.org

---

### EDUCATION

- 2020      **University of Edinburgh, Center for Regenerative Medicine**  
Ph.D., Hematopoietic Stem Cell Biology
- 2015      **University of Bath**  
M.Res., Regenerative Medicine
- 2013      **Imperial College London**  
B.Sc., Biology

### RESEARCH POSITIONS

- 2022 -      **Postdoctoral Research Fellow**  
Robert K. Bradley Lab, Basic Sciences Division  
Fred Hutchinson Cancer Center
- 2020 - 2022      **Postdoctoral Research Fellow**  
Lev Silberstein Lab, Clinical Research Division  
Fred Hutchinson Cancer Center
- 2015 - 2020      **Graduate Student**  
Alexander Medvinsky Lab, Center for Regenerative Medicine  
University of Edinburgh

### HONORS & AWARDS

- 2021      Damon Runyon Cancer Research Foundation Postdoctoral Fellow
- 2018      Ian Wilmut PhD Prize Winner
- 2017      MRC Center for Regenerative Medicine PhD Day Winner
- 2016      Max Perutz Science Writing Awards - Commended

### LEAD AUTHOR PUBLICATIONS

**Crosse, E.I.**, Gordon-Keylock, S., Rybtsov, S., Binagui-Casas, A., Felchle, H., Nnadi, N.C., Kirschner, K., Chandra, T., Tamagno, S., Webb, D.J., et al. (2020). Multi-layered Spatial Transcriptomics Identify Secretory Factors Promoting Human Hematopoietic Stem Cell Development. *Cell Stem Cell* 27, 822-839 e828. 10.1016/j.stem.2020.08.004.

**Crosse, E.I.**, et al. A spatial map of the early human hematopoietic stem cell developmental niche. (In preparation).

## **PUBLICATIONS (contributing author)**

Li, J., Glover, J.D., Zhang, H., et al. (2022). Limb development genes underlie variation in human fingerprint patterns. *Cell* 185, 95-112 e118. 10.1016/j.cell.2021.12.008.

Toghiani, D., Zeng, S., Mahammadov, E., **Crosse, E.I.**, Seyedhassantehrani, N., Burns, C., Gravano, D., Radtke, S., Kiem, H.-P., Rodriguez, S., et al. (2022). Myeloid-biased HSC require Semaphorin 4A from the bone marrow niche for self-renewal under stress and life-long persistence. *bioRxiv*, 2022.2001.2012.476097. 10.1101/2022.01.12.476097.

## **TALKS**

- 2022            International Society of Experimental Hematology – Talk  
Travel Grant Awarded (ISEH)
- 2020            Keystone Symposium in Hematopoiesis – Talk (cancelled due to COVID-19)  
Travel Grant Awarded (The Genetics Society)
- 2018            SyStem Symposium – Poster Presentation  
Travel Grant Awarded (The Company of Biologists)
- 2018            International Society for Stem Cell Research – Poster Presentation  
Travel Grants Awarded (The Company of Biologists and The Genetics Society)

## **MEMBERSHIPS**

International Society for Experimental Hematology – Associate Member

American Association for Cancer Research – Associate Member

British Society for Developmental Biology – Member