



HUMAN  
CELL  
ATLAS



***THE Awards 2019 – International Collaboration of the Year***

Institution/Nominee	The Human Cell Atlas (Wellcome Sanger Institute and the Broad Institute)
Title	Human Cell Atlas
Key personnel	Submitted by: Sarah Aldridge, Head of Science Strategy and Planning, Cellular Genetics Programme, Wellcome Sanger Institute, Cambridge UK
URL	<a href="https://www.humancellatlas.org/">https://www.humancellatlas.org/</a>
Submission	<p>The Human Cell Atlas (HCA) is an ambitious global initiative aiming to create comprehensive reference map of all human cells—the fundamental units of life—as a basis for both understanding human health and diagnosing, monitoring, and treating disease.</p> <p>Co-founded by Dr Sarah Teichmann from the Wellcome Sanger Institute in the UK, and Dr Aviv Regev from the Broad Institute of MIT and Harvard in the US, the HCA was launched in London in 2016.</p> <p>Collaboration is vital for this huge initiative, since the endeavour is too large to be delivered by any one research organisation or country. Working together is bringing success for the HCA with discoveries so far including many new cell types and cell communication circuits. These breakthroughs directly relate to cancer, reproductive medicine, kidney and respiratory diseases including cystic fibrosis and asthma.</p>