

**De :** GenomeWebinars <>

**Objet :** Spatial Phenotyping Series: Building a Spatial Map of the Human Body — One Cell at a Time



The logo for GenomeWebinars, featuring a stylized network of blue and black nodes connected by lines, with the letters "gw" in a large, bold, blue font and the word "webinar" in a smaller, black font below it.	<b>HuBMAP: BUILDING A SPATIAL MAP OF THE HUMAN BODY — ONE CELL AT A TIME</b>	<small>SPONSORED BY</small> The logo for Akoya Bioscience, featuring a stylized network of blue and black nodes connected by lines, with the word "AKOYA" in a large, bold, black font and "BIOSCIENCE" in a smaller, black font below it, and "THE SPATIAL BIOLOGY CO." in a very small font at the bottom.
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**Date:** May 11, 2022

**Time:** 8:00 am PT / 11:00 am ET

This webinar is [part one of a three-part series](#) on the mapping the human body with spatial phenotyping.

When the NIH kicked off its Human Biomolecular Atlas Program (HuBMAP) initiative in 2018, it set out to develop an open, global framework to support the research community's efforts to map the adult human at single-cell resolution. An adult human body comprises trillions of cells and hundreds of different cell types that serve essential functions and are subject to regulation by their spatial position and neighbors. Highly multiplexed spatial phenotyping technology from Akoya enables researchers to investigate disease onset, progression, and response to treatment that may be governed by unique associations among cells within tissues and organ systems. The HuBMAP data repository now houses the largest open-access collection of Akoya imaging data in the world.

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In this roundtable, HuBMAP investigators will talk about the goals of the HuBMAP consortium, what they've accomplished thus far, share their vision for HuBMAP and similar cell atlas consortia, and discuss how researchers can work together with biotechnology companies like Akoya to spatially phenotype every single cell with context across the human body.

## Learning Objectives

1. Gain insights into how cell atlas consortia are organized and funded.
2. Identify common research goals and appropriate assays for cell atlas initiatives.
3. Discover the advantages of spatial phenotyping approaches for mapping cell locations and identifying cellular neighborhoods that influence the function of tissues, organs, and biological systems.

## Panelists

**Garry Nolan, PhD**, The Rachford and Carlota A. Harris Professor in the Department of Microbiology and Immunology Professor, Stanford University School of Medicine

**Jeannie Camarillo, PhD**, Postdoctoral Fellow, Northwestern University

**Elizabeth Neumann, PhD**, Assistant Professor, University of California, Davis

**Andrea Radtke, PhD**, Senior Scientist, NIH National Institute of Allergy and Infectious Disease

**Niro Ramachandran, PhD**, Chief Business Officer, Akoya Biosciences

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