

Together against Covid-19 Pandemic

BioRN Member interested in cooperation: Sciomics GmbH

Member Profile: <https://www.biorn.org/member/Sciomics-GmbH>

Contact Person (Name and Position):

Dr. Ronny Schmidt, Head of Contract Research

What can we offer:

Multiplex protein profiling services for acceleration of COVID-19 research with a focus on:

- COVID-19 disease understanding
 - o immune profiling,
 - o disease severity biomarker discovery
 - o COVID-19 risk factors assessment
 - o Patient cohort characterization

- Development of novel therapeutics against COVID-19
 - o benchmarking of compounds,
 - o predictive biomarker discovery for patient stratification
- Development of vaccines against SARS-COV-2
 - o vaccination response analyses
 - o characterization of vaccination (animal) models
 - o screening of immune response to vaccine candidates
 - o screening of responses to adjuvants or combinations
 - o screening epitopes e.g. most immunogenic ones

Assays available:

- **scioCD***: 121 cytokines and 141 cell surface markers for immune profiling of plasma/serum, immune cell or tissue samples
- **scioDiscover***: 1300 proteins including inflammatory mediators, immune checkpoint molecules, immune cells markers, further soluble proteins as well as membrane/receptor and intracellular proteins for biomarker discovery on plasma/serum, cell or tissue samples
- **scioPhospho**: combined phosphorylation and expression profiling of 1300 intracellular signaling, membrane/receptor and soluble proteins for mechanism of action studies on cell or tissue samples

* assays can be complemented by a SARS-COV-2 proteome wide peptide array.

Assay specifics:

- Minimal sample amount required (20µl of plasma / serum, 500 000 cells or 10mg of tissue)
- Complete analysis service from sample to study report



What are we looking for:

Clinical partners with relevant biological sample cohorts such as COVID-19 positive tested patients (acute phase and post-infection), preferably plasma/serum.

Useful links:

www.sciomics.de

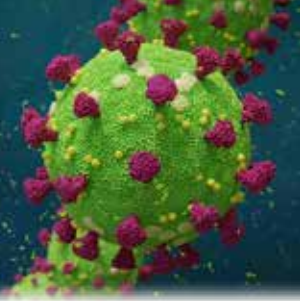
Please contact us here:

Dr. Ronny Schmidt

Ronny.schmidt@sciomics.de

+49 (0) 6221 4294 833

Learn how Sciomics supports COVID-19 research!



Who are we?

Sciomics is a Heidelberg-based CRO with a focus on **Multiplex Protein Analyses**.

Which COVID-19 research topics can be addressed by Sciomics?

- **In-depth protein analysis for improved disease management of COVID-19**
 - > **Immune response profiling and characterization of patient cohorts**
 - > Identification of **disease severity biomarkers** for patient stratification
 - > Assessment of severe COVID-19 **risk factors** for improved patient outcome
- **Development of new therapeutics against COVID-19**
 - > **Compounds benchmarking** by pathway activity, early toxicology and mechanisms of action analysis (cell culture and animal models)
 - > Assessment of **treatment response** and identification of **predictive biomarkers**
- **Development of vaccines against SARS-CoV-2**
 - > In-depth **analysis of vaccination response** in animal and patient samples
 - > **Characterization of animal models** (mouse, rat and others)
 - > Identification of **highly immunogenic epitopes** in COVID-19 survivors

Which assays are offered by Sciomics?

- **scioCD:** 121 cytokines and 141 cell surface markers for immune profiling of plasma/serum, immune cell or tissue samples
 - **scioDiscover:** 1300 proteins including inflammatory mediators, immune checkpoint molecules, immune cell markers as well as further membrane/receptor and intracellular proteins for biomarker discovery on plasma/serum, cell or tissue samples
 - **scioPhospho:** combined phosphorylation and expression profiling of 1300 proteins for signaling activity profiling on cell or tissue samples
- > All assays can be complemented by a SARS-CoV-2 proteome wide peptide array.

Assay specifics

- Minimal sample amount required (20 µl of plasma/serum, 500 000 cells, 10 mg of tissue)
- Complete analysis service from sample to study report

Interested?

Please get in touch:

Dr. Ronny Schmidt, Head of Contract Research

info@sciomics.de - www.sciomics.de