Samuel Hart Berman

CONTACT

21 Lenbachstraße
10245 Berlin
+49 176 23140881
sam@hxrts.com

EDUCATION

2010, Wesleyan University
Bachelor of Arts in Chemistry,
Molecular Biology & Biochemistry,
Molecular Biophysics Certificate

PROFESSIONAL EXPERIENCE

2018–2019, Monadic, Scientific Consultant, Strategist

Project managed technical whitepaper, *Open Source Coin*, A. Sellier, E. Diakomichalis, J. Haydon. March 2019. Initiated on-chain voting mechanism research. Product strategy for the Radicle P2P programming environment. Edited Radicle. J. Arni, J. Haydon. October 2018. Creative direction for radicle.xyz website & brand.

2017, Rhombus Network, Scientific Consultant

Co-authored internal blockchain oracle service specification, extending WolframAlpha data offerings as part of prospective partnership between Wolfram Research & ConsenSys.

2017, FOAM, Scientific Consultant

Co-authored manuscript specifying a decentralized time synchronization and geospatial protocol for an incentivized proof-of-location network. *FOAM Technical Whitepaper*. May 2018. Foamspace Corp.

2014–present, Avant.org, Founder & Editor-in-chief

Online magazine for critical interdisciplinary scholarship. Essays syndicated by Oxford University Center for Effective Altruism & Rhizome at the New Museum. Organized events with MoMA PS1, Transmediale, LEAP Berlin, New York Ecology Center & The School for Poetic Computation.

2013–2014, Museum of Modern Art PS1, Installation & Technical Consultant

Managed the weekly installation of large-scale temporary sculpture projects. Assisted in the production of *Warmup*, PS1's summer experimental concert series.

LABORATORY RESEARCH

2016–2018, Memorial Sloan Kettering, Sadelain Group

Developed methodology for the identification of single-ligand & combinatorial chimeric antigen receptor candidates. Employed surface proteomics and RNA differential expression analysis toward pre-clinical optimization of therapeutic targets. Technology now in commercial production with Takeda Pharmaceuticals.

2015, Memorial Sloan Kettering, Filho Group

Evolutionary decomposition of heterogeneous & metastatic cancers. Establishing genomic analyses of multiple rare cancer types. Implemented state of the art bioinformatic tools as part of high-throughput sequencing workflows.

2011–2014, Memorial Sloan Kettering, Brennan Group

Bioinformatic & genomic investigation of neurological & renal cancers, contributions to The Cancer Genome Atlas including RNA-Seq characterization of intragenic rearrangements & splicing variation in glioblastoma. Performed mouse model experiments to determine tumor heterogeneity via single cell variation. Bioinformatic experimental design & analysis consultation for Oncology & Pathogenesis department investigators.

2009–2011, Wesleyan University, Beveridge Group

Mapped protein configurational free energy space by computing hydrogen protection factors via molecular dynamics simulation. Assessed the accuracy of metadynamics enhanced sampling techniques with respect to experimental proton exchange.

SELECTED TECHNICAL PUBLICATIONS (19 on Google Scholar)

The Somatic Genomic Landscape of Glioblastoma. Cell. 10 Oct. 2013 (Vol. 155, Issue 2, pp. 462-477). C. W. Brennan, R. Verhaak,... S. H. Berman (10/58)... L. Chin. [Cited by 2029]

Quantitative Assessment of Intragenic Receptor Tyrosine Kinase Deletions in Primary Glioblastomas: Their Prevalence and Molecular Correlates. Acta Neuropathologica. 29 Nov. 2013 (Vol. 127, Issue 5, pp. 747–759). E. R. Kastenhuber, J. T. Huse, S. H. Berman (3/12)... C. W. Brennan. [Cited 24]

Integrating Proteomics and Transcriptomics for Systematic Combinatorial Chimeric Antigen Receptor Therapy of AML. Cancer Cell. Oct. 2017. 32 (4), 506-519. F. Perna, S. H. Berman, R. K. Soni, J. Mansilla-Soto, J. Eyquem, M. Hamieh, R. Hendrickson, C. W. Brennan, M. Sadelain. [Cited 33]

SELECTED INTERVIEWS, WRITING & EDITING

2018, On *Cybernetic Publishing*, *User-Agent*, Edited by Anastasia Kubrak

2018, *Art on the Blockchain*, conversation with Ruth Catlow

2017, *Bot Ecology*, conversation with Francis Tseng, Eyebeam, NY

2014–2016, Edited 40+ essays published with Avant.org

SELECTED LECTURES

2018, *Social Architectures*, Harvard Berkman Klein Center for Internet and Society

2018, *Social Organism*, Gray Area Foundation, SF

2018, *Decentralization as Texture*, Trust, Berlin

2018, *Artificial Scarcity*, MIT Media Lab, Cambridge

2017, *Open Source Feeds*, with Max Fowler, Pioneer Works, NY

2016, *Cybersecurity*, with Charles Broskoski, Francis Tseng, 47 Canal, NY

2016, *Engineered Ecology*, with Chris Woebken, Lower East Side Ecology Center, NY

2014, *Artists & Brands: Defining Rules of Engagement*, NEW INC, New Museum, NY

SELECTED EXHIBITIONS & CURATION

2019, *RadicalxChange* (co-organizer), Detroit, MI

2018, *Internet Archive Decentralized Web Summit* (co-organizer), San Francisco Mint, SF

2018, *Proof of Work* (artist), curated by Simon Denny, Schinkel Pavillon, Berlin

2018, *Secrets at Mediacity Seoul* (artist), commissioned by Monoskop, Seoul, South Korea

2018, *Peer-to-Peer Web New York* (co-organizer), The School for Poetic Computation, NY

2017–2018, Ethereal Summit (curator), SF & NY

2017, *Cybernetics Conference* (co-organizer), Prime Produce, NY

2016, *Åzone Futures Market* (artist), Guggenheim Museum, NY