

Supersizing Science: On Building Large-scale Research Projects In Biology - Niki Vermeulen

[DOWNLOAD HERE](#)

In recent years there has been a clear rise in scientific collaboration, as well as in studies on the subject. While most scholars examine disciplines traditionally known to be collaborative, such as physics and space research, this book focuses on biology. It investigates the growing collaboration in the life sciences, or the emergence of what is called 'big biology'. While the Human Genome Project is often presented as the first large-scale research project in biology, cooperation in the life sciences has a longer history. A comparison between centralised 'big physics' and 'big biology' reveals how the latter has a networked structure, which evolved in interaction with the integration of information and communication technologies. By concentrating on the construction of these networks, three contemporary large-scale research collaborations are analysed: the Census of Marine Life that aims to make an inventory of life in the oceans, the Silicon Cell initiative that wants to design a replica of a cell in a computer, and the VIRGO consortium, which investigates host-virus interaction to develop a new therapy against influenza. This book demonstrates how the process of making science bigger, or the 'supersizing of science', transforms the ways in which science is organised while it also changes the work of scientists involved. As such, this has both scholarly and professional implications for the next generation of scientists. Author: Vermeulen, Niki Publisher: Dissertation.Com Illustration: N Language: ENG Title: Supersizing Science: On Building Large-Scale Research Projects in Biology Pages: 00233 (Encrypted PDF) On Sale: 2013-01-01 SKU-13/ISBN: 9781599423647 Category: Science : Life Sciences - Biology

[DOWNLOAD HERE](#)

Similar manuals:

[Bad Conscience](#)

[White Nights, GUS Russia St Petersburg 300 Years Old Venice Of The North River Newa University Quay Academy Of Arts And Academy Of Sciences Riverboat For Sightseeing](#)

[White Nights, GUS Russia St Petersburg 300 Years Old Venice Of The North River Newa Dvortsovy Bridge Railing Academy Of Arts Academy Of Sciences](#)

[Museum Of Technics And Natural Science, Bavaria, Munich, Germany](#)

[Automated Lighting: The Art And Science Of Moving Light In Theatre, Live Performance, Broadcast, And Entertainment - Richard Cadena](#)

[CliffsAP Biology, 3rd Edition - Phillip E Pack](#)

[CliffsTestPrep CSET: Social Science - , Shana Pate](#)

[CliffsAP 5 Biology Practice Exams - Phillip E Pack](#)

[Newnes Engineering Science Pocket Book - John Bird](#)

[Engineering Science - W. Bolton](#)

[Applied Principles Of Horticultural Science - Laurie Brown](#)

[Astrofuturism: Science, Race, And Visions Of Utopia In Space - De Witt Douglas Kilgore](#)

[Quest For The Cure: The Science And Stories Behind The Next Generation Of Medicines - Brent Stockwell](#)

[Digital Nature Photography: The Art And The Science - John And Barbara Gerlach](#)

[The Science Of Sound Recording - Jay Kadis](#)

[Schaum's Outline Of Principles Of Computer Science - , Carl Reynolds](#)

[The Earth Machine: The Science Of A Dynamic Planet - , James D. Webster](#)

[A Communion Of Subjects: Animals In Religion, Science, And Ethics](#)

[Freedom And Neurobiology: Reflections On Free Will, Language, And Political Power - John Searle](#)

[Neuroscience And Philosophy: Brain, Mind, And Language - , Daniel Dennett](#)

[Climate Change: The Science Of Global Warming And Our Energy Future - Edmond Mathez](#)

[Progress And Values In The Humanities: Comparing Culture And Science - Volney Gay](#)

[The Kitchen As Laboratory: Reflections On The Science Of Food And Cooking](#)

[Crashes, Crises, And Calamities: How We Can Use Science To Read The Early-Warning Signs - Len Fisher](#)

[The Happiness Of Pursuit: What Neuroscience Can Teach Us About The Good Life - Shimon Edelman](#)

[Physics For Men: The Science Behind Being A Guy - P. R. Kelt](#)

[Handbook Of Research On Computational And Systems Biology: Interdisciplinary Applications \(1 Vol\)](#)

[Sustainable Language Support Practices In Science Education: Technologies And Solutions](#)

[Handbook Of Research On Computational Science And Engineering: Theory And Practice \(2 Vol\)](#)

[Encyclopedia Of Microbiology, Four-Volume Set](#)

[Scattering, Two-Volume Set: Scattering And Inverse Scattering In Pure And Applied Science](#)

[Science And Social Work: A Critical Appraisal - , William J. Reid](#)

[William James And A Science Of Religions: Reexperiencing The Varieties Of Religious Experience](#)

[Hyping Health Risks: Environmental Hazards In Daily Life And The Science Of Epidemiology - Geoffrey C Kabat](#)

[Disaster Deferred: How New Science Is Changing Our View Of Earthquake Hazards In The Midwest - Seth Stein](#)

[Disaster Deferred: How New Science Is Changing Our View Of Earthquake Hazards In The Midwest - Seth Stein](#)

[Nazi Science: Myth, Truth, And The German Atomic Bomb - Mark Walker](#)

[My Traitor's Heart: A South African Exile Returns To Face His Country, His Tribe, And His Conscience - Rian Malan](#)

[Philosophy Of Social Science - Alexander Rosenberg](#)

[Philosophy Of Science: An Introduction - Thomas Ph.D. Hickey](#)

[The Medical Science Liaison: An A To Z Guide, Second Edition - , Cathleen Sass](#)

[The Science Of Life: Projects And Principles For Beginning Biologists - Jr. Bottone, Jr., Frank G.](#)

[Shine: Using Brain Science To Get The Best From Your People - Ned Hallowell](#)

[The Best Science Fiction And Fantasy Of The Year](#)

[The Best Science Fiction And Fantasy Of The Year](#)

[The Best Science Fiction And Fantasy Of The Year](#)

[The Best Science Fiction And Fantasy Of The Year](#)

[Wait: The Art And Science Of Delay - Frank Partnoy](#)

[Every Woman's Guide To Foot Pain Relief: The New Science Of Healthy Feet - Katy Bowman](#)

[What Science Is And How It Works - Gregory N. Derry](#)