STATISTICAL SCIENCE

Volume 35, Number 1

February 2020

pecial Issue on Statistics and Science	
Introduction to the Special Issue	1
Model-Based Approach to the Joint Analysis of Single-Cell Data on Chromatin Accessibility and Gene Expression	2
Risk Models for Breast Cancer and Their Validation Adam R. Brentnall and Jack Cuzick	14
Some Statistical Issues in Climate Science	31
A Tale of Two Parasites: Statistical Modelling to Support Disease Control Programmes in Africa	
Kisito Ogoussan and Katherine Gass	42
Quantum Science and Quantum Technology	51
Statistical Methodology in Single-Molecule Experiments	75
Statistical Molecule Counting in Super-Resolution Fluorescence Microscopy: Towards Quantitative Nanoscopy Thomas Staudt, Timo Aspelmeier, Oskar Laitenberger,	
Claudia Geisler, Alexander Egner and Axel Munk	92
Data Denoising and Post-Denoising Corrections in Single Cell RNA SequencingDivyansh Agarwal, Jingshu Wang and Nancy R. Zhang	112
Statistical Inference for the Evolutionary History of Cancer GenomesKhanh N. Dinh, Roman Jaksik, Marek Kimmel, Amaury Lambert and Simon Tavaré	129
Maximum Independent Component Analysis with Application to EEG Data	
	145

Statistical Science [ISSN 0883-4237 (print); ISSN 2168-8745 (online)], Volume 35, Number 1, February 2020. Published quarterly by the Institute of Mathematical Statistics, 3163 Somerset Drive, Cleveland, OH 44122, USA. Periodicals postage paid at Cleveland, Ohio and at additional mailing offices.

POSTMASTER: Send address changes to *Statistical Science*, Institute of Mathematical Statistics, Dues and Subscriptions Office, 9650 Rockville Pike—Suite L2310, Bethesda, MD 20814-3998, USA.

Copyright © 2020 by the Institute of Mathematical Statistics Printed in the United States of America