

Date	Last Name	First Name	Affiliation	Talk Title
January 13, 2020	Bornberg-Bauer	Erich	University of Münster	Breeding new proteins, the evolutionary way
December 16, 2019	Badyaev	Alex	University of Arizona	Control theory in evolution
November 29, 2019	Khot	Subhash	New York University	Hardness of Approximation: From the PCP Theorem to the 2-to-2 Games Theorem
November 25, 2019	Shavit	Nir	Massachusetts Institute of Technology	Tissue vs Silicon: How neurobiology can save machine learning hardware
November 11, 2019	Bird	Adrian	The University of Edinburgh	Reading DNA methylation in the brain
November 4, 2019	Boyden	Edward	Massachusetts Institute of Technology	Tools for Analyzing and Controlling Complex Biological Systems
October 21, 2019	Groves	Jay T.	University of California, Berkeley	Phase transitions and molecular timing in T cell signaling
October 7, 2019	На	Taekjip	Johns Hopkins University	Revisiting and Repurposing the Double Helix
September 23, 2019	Rudnick	Zeev	Tel Aviv University	Quantum chaos, eigenvalue statistics and the Fibonacci sequence
September 16, 2019	Marder	Eve	Brandeis University	Differential Resilience to Perturbation of Circuits with Similar Performance
September 9, 2019	Murray	Richard	California Institute of Technology	Synthetic Biology: Building Molecular Scale Machines
June 24, 2019	Wetzstein	Gordon	Stanford University	Computational single-photon imaging
May 27, 2019	Sanes	Josh	Harvard University	Cell types as building blocks of neural circuits
May 20, 2019	Götz	Magdalena	Ludwig Maximilian University of Munich	Novel mechanisms of neurogenesis and neural repair
April 29, 2019	Heath-Brown	Roger	Oxford University	All about prime numbers
April 8, 2019	Mackenzie	Andrew	Max Planck Institute for Chemical Physics of Solids	Electrical transport and spectroscopy studies of the delafossite layered metals
March 25, 2019	Bühler-Paschen	Silke	Vienna University of Technology	Quantum phases and fluctuations driven by strong correlations
March 18, 2019	Steinhardt	Steinhardt	Princeton University	The second kind of impossible
March 11, 2019	Nunn	Charles	Duke University	Shining evolutionary light on sleep and health

Created on January 22, 2020 Page 1 of 12



February 1, 2019	Simmons	Michelle	University of New South Wales	Atomic qubits in silicon
December 17, 2018	Lander	Arthur D.	University of California, Irvine	Control of growth, form and scale in biology
November 19, 2018	Przeworski	Molly	Columbia University	An evolutionary perspective on meiotic recombination in vertebrates
November 12, 2018	Henzinger	Monika	University of Vienna	Dynamic graph algorithms: What they are and why they are needed?
November 5, 2018	Milinkovitch	Michel	University of Geneva	Patterning of the vertebrate skin through mechanical and Turing instabilities
October 29, 2018	Bloch	Immanuel	Ludwig Maximilian University of Munich	Realizing Feynman's dream of a quantum simulator
October 1, 2018	Jensen	Grant	California Institute of Technology	Electron cryotomography: present capabilities and future potential
September 24, 2018	Singer	Wolf	Max Planck Institute for Brain Research	The cerebral cortex, a substrate for computing in high dimensional dynamic state space
September 17, 2018	O'Keefe	John	University College London	How rats navigate: recent studies on hippocampal place and entorhinal grid cells
September 10, 2018	Kupferman	Orna	The Hebrew University of Jerusalem	Examining classical graph-theory problems from the viewpoint of formal-verification methods
September 3, 2018	Kalai	Gil	The Hebrew University of Jerusalem	Puzzles about trees, high dimensions, election, computation and noise
June 18, 2018	Muotri	Alysson	University of California San Diego	Applications of brain model technology: Using brain organoids in neurosciences
May 7, 2018	Moser	Edvard	Norwegian University of Science and Technology	The brain's positioning system: How do we find our way?
April 30, 2018	Fontana	Walter	Harvard University	How did that happen?
April 23, 2018	Fröhlich	Jürg	ETH Zurich	Quantum dynamics of systems featuring long sequences of events
April 16, 2018	Goda	Yukiko	RIKEN Brain Science Institute	Information transmission across synapses: Controlling the efficacy and its diversity
April 9, 2018	Cardelli	Luca	Microsoft Research	Programming with chemical reactions
March 19, 2018	Vandersypen	Lieven	TU Delft	Quantum computation and simulation - spins inside
January 29, 2018	Pauly	Mark	École polytechnique fédérale de Lausanne	Light, matter, form - Computational design of functional geometry

Created on January 22, 2020 Page 2 of 12



January 15, 2018	Summers	Adam	University of Washington	#ScanAllFishes - how, why, and whatever will you do with all those data
January 8, 2018	Hess	Kathryn	EPFL	Topological vistas in neuroscience
December 18, 2017	Shalizi	Cosma	Carnegie Mellon University	Learning to predict with dependent data
December 11, 2017	Kondrashov	Alexey	University of Michigan	Studying natural selection at the level of genotypes
December 4, 2017	Raimond	Jean-Michel	Kastler Brossel Laboratory	Quantum measurements and simulation with Rydberg atoms
November 27, 2017	Gonzalez-Gaitan	Marcos	University of Geneva	Asymmetric signaling endosomes in asymmetric division
November 20, 2017	Schneider	David	Stanford University	Defining the resilience of hosts to infections
November 14, 2017	Gasser	Susan	FMI Basel	
November 13, 2017	Birnbaum	Kenneth	New York University	From insult to organization: Regeneration of the plant root meristem
October 23, 2017	Walther	Tobias	Harvard University	Phase of fat: Mechanisms and physiology of neutral lipid storage
October 16, 2017	Vaikuntanathan	Vinod	Massachusetts Institute of Technology	Lattices and cryptography: A match made in heaven
October 9, 2017	Jacobs-Wagner	Christine	Yale University	How to achieve cellular replication without fail: Lessons from bacterial cells
October 2, 2017	Tarjan	Robert	Princeton University	Zip trees
June 19, 2017	Dinur	Irit	Weizmann Institute of Science	Local to global, high dimensional expansion, and probabilistically checkable proofs
May 22, 2017	Newman	Dianne	California Institute of Technology	The importance of growing slowly: Roles for redox-active "antibiotics" in microbial survival and development
May 15, 2017	Lehnert	Konrad	University of Colorado Boulder	The sound of quantum mechanics
May 8, 2017	Mahadevan	L	Harvard University	Shape: mathematics, physics and biology
April 24, 2017	Leyser	Ottoline	University of Cambridge	Thinking without a brain: Feedback and Feedforward in the bud activation switch
April 10, 2017	Bagni	Claudia	Katholieke Universiteit Leuven	Brain wiring and social behaviour: Insights into autism and schizophrenia
April 3, 2017	Fletcher	Daniel A.	University of California, Berkeley	New perspectives on disease diagnosis: From mobile phones to molecular engineering
March 27, 2017	Sahai	Erik	The Francis Crick Institute	Cancer cell invasion in complex environments
March 20, 2017	Doetsch	Fiona	University of Basel	Stem cells in the adult brain: Identity and niches
March 13, 2017	Jülicher	Frank	Max-Planck-Gesellschaft	Shaping a fly wing

Created on January 22, 2020 Page 3 of 12



March 6, 2017	Ostrander	Elaine	National Institutes of Health	Dog genes tell surprising tales: A story of canine morphology, behavior and disease susceptibility
January 30, 2017	Wittkopp	Patricia	University of Michigan	Evolution of gene expression: from mutation to polymorphism to divergence
January 9, 2017	Saint-Raymond	Laure	École Normale Supérieure	Propagation of chaos and irreversibility in gas dynamics
December 19, 2016	Troyer	Matthias	ETH Zurich and Microsoft Research	What will we do with a quantum computer?
December 12, 2016	Zelevinsky	Tanya	Columbia University	High-precision physics and chemistry with ultracold diatomic molecules
December 5, 2016	Otto	Felix	Max Planck Institute for Mathematics in the Sciences	Effective behavior of random media
November 28, 2016	Morgan	Frank	Williams College	Soap bubbles
November 21, 2016	Martinez Arias	Alfonso	University of Cambridge	Genetically supervised axial (self) organization in aggregates of mouse embryonic stem cells
November 7, 2016	Salathé	Marcel	École polytechnique fédérale de Lausanne	Digital epidemiology: opportunities & challenges of an evolving field
October 24, 2016	Jorgensen	Erik	The University of Utah	Ultrafast synaptic vesicle endocytosis: revisiting Heuser and Reese in the 21st century
October 17, 2016	Yasuda	Ryohei	Max Planck Florida Institute for Neuroscience	Biochemical computation in single dendritic spines: implication in synaptic plasticity
October 10, 2016	Suslick	Kenneth S.	University of Illinois at Urbana-Champaign	Inside a collapsing bubble: sonochemistry and sonoluminescence
September 26, 2016	Nelson	David	Harvard University	Population genetics, on land and at sea
September 12, 2016	Briscoe	James	The Francis Crick Institute	The logic of cell fate decisions in vertebrate development
September 5, 2016	Stuber	Garret	The University of North Carolina at Chapel Hill	Dissecting the neural circuits that mediate motivated behavior
May 30, 2016	Schröder	Peter	California Institute of Technology	Schrödinger's smoke
May 23, 2016	Young	Lai-Sang	New York University	The visual cortex as a complex dynamical system
May 9, 2016	Losick	Richard	Harvard University	Stochasticity and cell fate
May 2, 2016	Agrawal	Aneil	University of Toronto	Theoretical and empirical examination of genetic diversity within a facultatively sexual diploid
April 25, 2016	Corruzi	Gloria	New York University	The 4th dimension of transcriptional networks: TIME

Created on January 22, 2020 Page 4 of 12



April 18, 2016	Wolf	Stefan	Università della Svizzera italiana	Causality, consistency, complexity
April 11, 2016	Tsien	Richard	New York University	Signaling from synapse to nucleus for synaptic and behavioral plasticity
April 4, 2016	DiVincenzo	David	Aachen University	Update on the solid state quantum computer
March 21, 2016	Rey	Ana Maria	University of Colorado	Building with crystals of light and quantum matter: From clocks to computers
March 14, 2016	Barkai	Naama	Weizmann Institute of Science	Expression homeostasis during DNA replication
March 7, 2016	Forsyth	David	University of Illinois	Relighting pictures
January 25, 2016	Willerslev	Eske	University of Coppenhagen	What we can learn from past genomics?
January 18, 2016	Renner	Renato	ETH Zurich	How much work does it cost to process information?
December 14, 2015	Choquet	Daniel	University of Bordeaux	Interplay between glutamatergic synapse nanoscale organization and function
November 23, 2015	van Nimwegen	Eric	University of Basel	The role of noise in the evolution of gene regulation
November 9, 2015	Goldberg	Andrew	Amazon.com Inc.	Hub labeling algorithms
November 2, 2015	Swinney	Harry	University of Texas at Austin	Collective dynamics, deadly competition, and phenotype switching in bacterial colonies
October 19, 2015	Theriot	Julie	Stanford University	Cells on the move: Large-scale mechanical coordination in rapid cell motility
October 12, 2015	Mank	Judith	University College London	The evolution of sexual dimorphism and the effects of sex-specific selection on genome evolution
October 5, 2015	Barde	Yves	Cardiff University	Neurotrophins in development and disease
September 28, 2015	Marschner	Steve	Cornell University	Fibers and the appearance of materials
September 7, 2015	Geschwind	Daniel	University of California Los Angeles	Integrative genomics in human neuropsychiatric disease
June 29, 2015	Murphy	Susan	University of Michigan	Micro-randomized trials and mobile health
June 22, 2015	Fairhall	Adrienne	University of Washington	Learning and variability in birdsong
June 15, 2015	Sigmund	Karl	University of Vienna	Partners and rivals - strategies for reciprocity
June 8, 2015	Leibler	Stanislas	The Rockefeller University	On the (un)reasonable (in)effectiveness of mathematics in biology

Created on January 22, 2020 Page 5 of 12



June 2, 2015	Estelle	Mark	University of California, San Diego	Auxin: molecular glue that drives plant development
May 18, 2015	Hohenberg	Pierre	New York University	Do we need so many interpretations of quantum mechanics?
May 11, 2015	Rosengaus	Rebeca	Northeastern University	The whole is greater than the sum of its parts: emergent properties of insect immunity
May 4, 2015	Hamprecht	Fred	University of Heidelberg	(Joint) segmentation and tracking with applications in biology
April 27, 2015	Born	Jan	University of Tübingen	Sleep's role in memory
April 20, 2015	Krasnow	Mark	Stanford University	Probing lung stem cells and cancer at single cell resolution
April 13, 2015	Otto	Sarah (Sally)	The University of British Columbia	Genomic scope of adaptive mutations in the face of an environmental challenge
March 16, 2015	Freeman	Bill	Massachusetts Institute of Technology	The motion microscope and the world of tiny motions
March 9, 2015	Roux	Aurélien	University of Geneva	Role of lateral compression of ESCRT spiral springs in membrane remodeling
March 2, 2015	Lin	Ming C.	The University of North Carolina	Fast visual simulation of complex multiscale phenomena
February 2, 2015	Schwab	Martin	University and ETH Zurich (Dept. Neuromorphology)	Fiber growth, formation of new circuits and functional repair after brain and spinal cord injuries
January 26, 2015	Randow	Felix	University of Cambridge Medical Research Council	How cells use autophagy to defend against bacterial invasion
January 19, 2015	De Zeeuw	Chris	Netherlands Institute of Neuroscience	It takes two to tango: differential processing in olivocerebellar modules
December 1, 2014	Linial	Nathan	The Hebrew University of Jerusalem	How to read large graphs?
November 24, 2014	Piel	Matthieu	Institut Curie (Paris)	Deforming the nucleus during cell migration: mechanism, consequences on cell survival and more
November 17, 2014	Ehrenfreund	Pascale	Austrian Science Fund	Cosmic carbon chemistry and the search for life in the universe
November 10, 2014	Gavin	Anne-Claude	EMBL Heidelberg	Expanding the cellular interactome: protein-lipid networks
November 3, 2014	Schneggenburger	Ralf	EPFL Lausanne (Brain Mind Institute)	Function and specific development of brain synapses
October 27, 2014	Kurizki	Gershon	Weizmann Institute	The observer and the world: Does science teach us about reality?
October 20, 2014	Naor	Moni	Weizmann Institute	Physical zero-knowledge
October 13, 2014	Dalibard	Jean	Laboratoire Kastler Brossel	Ultra-cold atoms: a unique playground for quantum physics

Created on January 22, 2020 Page 6 of 12



October 6, 2014	Prusinkiewicz	Przemyslaw	University of Calgary (Dept. of Computer Science)	Geometry of morphogenesis
September 29, 2014	Savageau	Michael	The University of California (Dept. of Biomedical Engineering)	Strategy for deconstructing complex systems by phenotypes
September 15, 2014	Zweig	George	Massachusetts Institute of Technology (Research Laboratory for Electronics)	Listening to the ear
July 8, 2014	Dorfan	Jonathan	Okinawa Institute of Science and Technology Graduate University in Japan	OIST Graduate University: A 21st Century Approach to Research and Education
June 30, 2014	Pachter	Lior	University of California, Berkeley	High-throughput analysis for sequencing based molecular biology
June 23, 2014	Muir	Tom	Princeton University	When bugs talk: virulence regulation in Staphylococci
June 16, 2014	Nordborg	Magnus	Gregor Mendel Institute of Molecular Plant Biology	Exploring the genotype-phenotype map in Arabidopsis
May 26, 2014	Hyman	Tony	Max Planck Institute of Molecular Cell Biology and Genetics, Dresden	Liquid-like state of cytoplasm
May 19, 2014	Yuzaki	Michisuke	Keio University	The more the merrier—complement family of synaptic organizers
May 12, 2014	Ritsch-Marte	Monika	Innsbruck Medical University	Shaping up optical imaging and trapping with synthetic holography
May 5, 2014	Raikhel	Natasha	University of California, Riverside	Chemical biology and endomembrane trafficking in plants
April 28, 2014	Meyer	Tobias	Stanford University	Cell polarization in cell migration
April 7, 2014	Khammash	Mustafa	ETH Zurich	Cybergenetics: real-time control of the dynamics of living cells
March 31, 2014	Spatz	Joachim	Max Planck Institute for Intelligent Systems, Stuttgart	Geometric and mechanical material constraints guide collective cell migration
March 24, 2014	Damgård	Ivan Bjerre	Aarhus University	Secure distributed computing - from theory to practice
March 17, 2014	Søgaard-Andersen	Lotte	Max Planck Institute for Terrestrial Microbiology, Marburg	Regulation of dynamic cell polarity in bacteria
March 10, 2014	Mitra	Niloy J.	University College London	Capturing and encoding shape variations

Created on January 22, 2020 Page 7 of 12



March 3, 2014	Solovej	Jan Philip	University of Copenhagen	Stability and instability of matter
February 24, 2014	Majumdar	Rupak	Max Planck Institute for Software Systems, Kaiserslautern	
February 17, 2014	Fussenegger	Martin	ETH Zurich	Prosthetic networks – synthetic biology-inspired treatment strategies for metabolic disorders
January 27, 2014	Gordon	Deborah	Stanford University	The ecology and evolution of collective behavior
January 20, 2014	Bohr	Tomas	Technical University of Denmark	The rise and fall of the sap: Mechanisms of fluid flow in trees
January 13, 2014	Welzl	Emo	ETH Zurich	When conflicting constraints can be cesolved the local lemma and satisfiability
December 9, 2013	Arber	Silvia	University of Basel	The ups and downs of motor circuit organization
replacement:	Marlovits	Thomas	Institute of Molecular Biotechnology, Vienna	Molecular machines in action: architecture, structural plasticity, and rewiring
December 2, 2013	Carroll	Kate	Scripps Institute	Painting the Cysteine Chapel: New tools to probe oxidation biology
November 25, 2013	Jungwirth	Tomas	Institute of Physics ASCR (FZU)	Physical principles and applications of spintronics
November 11, 2013	Barrett	Spencer	University of Toronto	Demographic and evolutionary genetics of polymorphic sexual systems in plants
October 28, 2013	Chazelle	Bernard	Princeton University	Why the life sciences are different
October 21, 2013	Eichenbaum	Howard	Boston University	The hippocampus in space and time
October 14, 2013	Hall	Barry	Bellingham Research Institute	Predicting future evolution: experimental approaches, practical considerations, and applications
October 7, 2013	Chait	Brian	The Rockefeller University	Hybrid methods for defining the structure and function of cellular machines
September 30, 2013	Stam	Jos	Autodesk Research	Nucleus: A dynamics solver, from cloth to DNA strands
September 9, 2013	Barnes	Carol A.	University of Arizona, Tucson	Normal brain aging: Impact on circuits critical for memory
June 24, 2013	Sanchez Ruíz	José Manuel	Universidad de Granada	Protein evolution and protein engineering
June 17, 2013	Emonet	Thierry	Yale University	Trade-offs and phenotypic diversity in bacterial chemotaxis
June 10, 2013	Murray	Andrew	Harvard University	Thinking versus Drinking: Evolving Social Interactions in the Brewer's Yeast
May 27, 2013	Taunton	Jack	University of California, San Francisco	Electrophilic Love: Cellular Secrets Revealed with Covalent Kisses

Created on January 22, 2020 Page 8 of 12



May 13, 2013	Stainier	Didier	University of California, San Francisco	Imaging the development of cardiac form and function in zebrafish
May 6, 2013	Feinberg	Martin	The Ohio State University	Understanding the Behavior of Complex Chemical Reaction Networks
April 29, 2013	Sigrist	Stephan	Freie Universität Berlin	Shedding light on synapse formation
April 22, 2013	Smale	Steve	City University of Hong Kong	New string kernels for Immunology with better predictions for binding
April 15, 2013	Birbaumer	Niels	University of Tübingen	Brain-Machine-Interface (BMI): Clinic, mechanisms, ethics
April 8, 2013	Kent	Stephen	The University of Chicago	Through the looking glass – reimagining the natural protein world
March 11, 2013	Coen	Enrico	John Innes Centre	Constrained Freedom: The Evolution and Development of Phenotypic Diversity
March 4, 2013	Ridley	Anne	King's College	Rho GTPases: signalling in cell adhesion and migration
February 25, 2013	Bloch	Immanuel	Max Planck Institute of Quantum Optics	Probing and Controlling Ultracold Quantum Matter
February 11, 2013	Lehmann	Ruth	The Skirball Institute, NYU	Making and protecting the germline
January 28, 2013	Schneidman	Elad	Weizmann Institute of Science	A thesaurus for a neural population code
January 21, 2013	Matas	Jiri	Czech Technical University Prague	On visual tracking
January 14, 2013	Havenith	Martina	Ruhr-University Bochum	Solvation - new answers to an old problem
December 10, 2012	Nemenman	Ilya	Emory University	Of Exactitude in Science Coarse-grained models of cellular signaling
December 3, 2012	Widrich	Virgil	University of Applied Arts Vienna	tx-transform – looking at space and time upside down
November 26, 2012	Tamás	Gábor	University of Szeged	An unorthodox inhibitory neuron in the cerebral cortex: the function of neurogliaform cells
November 19, 2012	Charlesworth	Brian	The University of Edinburgh	Natural selection and the genome
November 12, 2012	Peters	Jan	TU Darmstadt	Towards motor skill learning for robotics
November 5, 2012	Osborne	lan	senior editor of Science (Physics)	ТВА
October 29, 2012	Eriksson	Nicholas	23andMe	Interactive web-based genetic research at 23andMe
October 22, 2012	Balasubramanian	Vijay	University of Pennsylvania	The maps inside your head: how the brain represents sensory and cognitive spaces
October 15, 2012	Coyne	Jerry	The University of Chicago	Two flies on an island: speciation in African Drosophila

Created on January 22, 2020 Page 9 of 12



October 1, 2012	Bannerman	David	University of Oxford	Everything you ever wanted to know about the hippocampus but were afraid to ask!
September 24, 2012	Segev	Idan	The Hebrew University of Jerusalem	Design principles for dendritic inhibition
September 17, 2012	Kruse	Karsten	University of Saarland	Cellular protein self-organization
September 10, 2012	Alon	Uri	Weizmann Institute of Science	
September 3, 2012	Gottschling	Daniel E.	Fred Hutchinson Cancer Research Center, Seattle	Organelle deterioration with age: The limits of an interconnected cellular system
July 2, 2012	Hwa	Terence	Dept. Of Physics, U.C. San Diego	Growth laws: origins and consequences
June 25, 2012	Manna	Liberato	Italian Institute of Technology	Colloidal nanocrystals: Synthesis, properties, assembly
June 18, 2012	Wehner	Stephanie	National University of Singapore	Uncertainty determines the non-locality of quantum mechanics
June 11, 2012	Dickson	Barry	IMP	Wired for sex: the neurobiology of Drosophila mating behaviour
May 14, 2012	Knoblich	Jürgen	IMBA - Institute of Molecular Biotechnology	Dare to be different: Asymmetric cell division and tumorigenesis in fly and mouse neural stem cell lineages
April 30, 2012	Leptin	Maria	European Molecular Biology Organization	The genetic control of cell shape
April 23, 2012	Hurst	Laurence	University of Bath	Why there is more to gene evolution than protein function: splicing, nucleosomes and dual-coding sequence
April 16, 2012	Logothetis	Nikos K.	Max Planck Institute for Biological Cybernetics	In vivo Connectivity: Paramagnetic Tracers, Electrical Stimulation & Neural- Event Triggered fMRI
March 26, 2012	Silhavy	Thomas J.	Department of Molecular Biology, Princeton University	Outer membrane biogenesis in Gram-negative bacteria
March 19, 2012	Lecuit	Thomas	IBDML - Developmental Biology Institute of Marseille - Luminy	Biomechanics of tissue morphogenesis: from local to global scales
February 27,2012	Read	Andrew	Pennsylvania State University	
February 6, 2012	Osborne	lan		
January 30, 2012	Emiliani	Valentina	University Paris Descartes	

Created on January 22, 2020 Page 10 of 12



January 23, 2012	Boomsma	Jacobus J.	Department of Population Biology, University of Kopenhagen	Life-time commitment and the evolution of altruism and mutualism'
January 16, 2012	Benton	Richard	University of Lausanne	The evolving social network of Drosophila
January 9, 2012	Kussell	Edo	NYU	Populations in Lineage Perspective: Ages, Phenotypes, and Bacteria
December 19, 2011	Zeilinger	Anton	University of Vienna	Information and the Foundations of Quantum Physics
December 12, 2011	Davidson	Lance	Bioengineering and Developmental Biology, University of Pittsburgh	Reverse engineering the physical mechanics of embryonic morphogenesis
December 5, 2011	Ebert	Dieter	Basel University	Genetics of antagonistic coevolution
November 21, 2011	Gross	Markus	ETH Zurich	Modeling and Animation for Entertainment
November 14, 2011	Ackermann	Martin	ETH Zurich	Individuality in bacteria: on the biological significance of phenotypic heterogeneity
November 7, 2011	Boots	Mike	Department of Animal and Plant Science, University of Sheffield	The role of ecology in the evolution and maintenance of genetic diversity in hosts and parasites: from red queen to red king."
October 24, 2011	Fries	Pascal	Ernst Strüngmann Institute in cooperation with Max Planck Society	Inter-areal synchronization and attention
October 10, 2011	Raskin	Jean-Francois	Université Libre de Bruxelles	Hybrid automata : modeling and reachability analysis
October 3, 2011	Schmid-Hempel	Paul	ETH Zürich	Why are parasites so interesting?
September 12, 2011	Lisman	John	Brandeis University	An episodic memory buffer organized by grid cells of the entorhinal cortex
June 27,2011	Pottmann	Helmut	KAUST Saudi Arabia	Geometric Computing for Architecture
June 20,2011	Nedelec	Francios	EMBL, Heidelberg	Dynamic organization of fibers in living cells
June 6,2011	Fletcher	Daniel A.	University of California, Berkeley	Mechanical regulation of cell shape change: Lessons from in vitro reconstitution
May 30, 2011	Turelli	Michael	University of California at Davis	How good luck, great collaborators, pretty mathematics and a maternally inherited bacterium (<i>Wolbachia</i>) may stop the spread of dengue fever
May 23, 2011	Roska	Botond	Friedrich Miescher Institute for Biomedical Research	Seeing with and without photoreceptors
May 16, 2011	Mogilner	Alex	University of California at Davis	Mechanics of cell crawling - from 2D to 3D

Created on January 22, 2020 Page 11 of 12



May 9, 2011	Schnorrer	Frank	Max Planck Institute of Biochemistry, Munich	The Making of Flight Muscle
May 2, 2011	Bischof	Horst	TU Graz	On-line learning for computer vision
April 11 2011	Vilor	Laca M. C	University of the Basque	From components to systems: modeling and designing biological interactions
April 11, 2011	April 11, 2011 Vilar J	Jose M.G.	Country Bilbao	at the molecular, cellular, and cell-population levels

Created on January 22, 2020 Page 12 of 12