

Literatur

Annual Review of Genetics, Vol. 42, 2008. Eds.: Allan CAMPBELL, Elizabeth W. JONES, Gertrud SCHUPBACH. Palo Alto California, USA, Annual Reviews, 772 S., ISBN 978-0-8243-1242-8, ISSN 0066-4197.

Der vorliegende Band 42 beginnt mit einem Nachruf auf die verstorbene Mitherausgeberin Elizabeth W. JONES (1939–2008) von Allan CAMPBELL. Ihr ist der Band 42 des „Annual Review of Genetics“ in memoriam gewidmet.

Weitere Übersichtsartikel aus dem Gesamtgebiet der Genetik schließen sich an:

Mid-Century Controversies in Population Genetics (James F. CROW); Joshua LEDERBERG: The Stanford Years (1958-1978) (Leonore HERZENBERG, Thomas RINDFLEISCH, Leonard HERZENBERG); How *Saccharomyces* Responds to Nutrients (Shadia ZAMAN, Soyeon Im LIPPMAN, Xin ZHAO, James R. BROACH); Diatoms – From Cell Wall Biogenesis to Nanotechnology (Nils KRÖGER, Nicole POULSEN); Myxococcus – From Single-Cell Polarity to Complex Multicellular Patterns (Dale KAISER); The Future of QTL Mapping to Diagnose Disease in Mice in the Age of Whole-Genome Association Studies (Kent W. HUNTER, Nigel P. S. CRAWFORD); Host Restriction Factors Blocking Retroviral Replication (Daniel WOLF, Stephen P. GOFF); Genomics and Evolution of Heritable Bacterial Symbionts (Nancy A. MORAN, John P. MCCUTCHEON, Atsushi NAKABACHI); Rhomboid Proteases and Their Biological Functions (Matthew FREEMAN); The Organization of the Bacterial Genome (Eduardo P. C. ROCHA); The Origins of Multicellularity and the Early History of the Genetic Toolkit for Animal Development (Antonis ROKAS); Individuality in Bacteria (Carla J. DAVIDSON, Michael G. SURETTE); Transposon Tn5 (William S. REZNIKOFF); Selection on Codon Bias (Ruth HERSHBERG, Dmitri A. PETROV); How Shelterin Protects Mammalian Telomeres (Wilhelm PALM, Titia DE LANGE); Design Features of a Mitotic Spindle: Balancing Tension and Compression at a Single Microtubule Kinetochore Interface in Budding Yeast (David C. BOUCK, Ajit P. JOGLEKAR, Kerry S. BLOOM); Genetics of Sleep (Rozi ANDRETIĆ, Paul FRANKEN, Mehdi TAFTI); Determination of the Cleavage Plane in Early *C. elegans* Embryos (Matilde GALLI, Sander VAN DEN HEUVEL); Molecular Determinants of a Symbiotic Chronic Infection (Katherine E. GIBSON, Hajime KOBAYASHI, Graham C. WALKER); Evolutionary Genetics of Genome Merger and Doubling in Plants (Jeff J. DOYLE, Lex E. FLAGEL, Andrew H. PATERSON, Ryan A. RAPP, Douglas E. SOLTIS, Pamela S. SOLTIS, Jonathan F. WENDEL); The Dynamics of Photosynthesis (Stephan EBERHARD, Giovanni FINAZZI, Francis-André WOLLMAN); Planar Cell Polarity Signaling: From Fly Development to Human Disease (Matias SIMONS and Marek MŁODZIK); Quorum Sensing in Staphylococci (Richard P. NOVICK, Edward GEISINGER); Weird Animal Genomes and the Evolution of Vertebrate Sex and Sex Chromosomes (Jennifer A. MARSHALL GRAVES); The Take and Give Between Retrotransposable Elements and Their Hosts (Arthur BEAUREGARD, M. Joan CURCIO, Marlene BELFORT); Genomic Insights into Marine Microalgae (Micaela S. PARKER, Thomas MOCK, E. Virginia ARMBRUST); The Bacteriophage DNA Packaging Motor (Venegalla B. RAO, Michael FEIST); The Genetic and Cell Biology of Wolbachia-Host Interactions (Laura R. SERBUS, Catherina CASPER-LINDLEY, Frédéric LANDMANN, William SULLIVAN); Effects of retroviruses on Host genome function (Patric JERN, John M. COFFIN); X Chromosome Dosage Compensation: How Mammals Keep the Balance (Bernhard PAYER, Jeannie T. LEE).

Außerdem ist der Band 42 online unter <http://genet.annualreviews.org> verfügbar.

Ebenso wie vorher erschienene Bände dieser Buchreihe bietet der Band 42 wertvolle Informationen aus dem gesamten Fachgebiet der Genetik.

Sabine REDLHAMMER (JKI Braunschweig)

Annual Review of Phytopathology, Vol. 47, 2009. Eds.: Neal K. VAN ALFEN, George BRUENING, Jan E. LEACH. Palo Alto, California, USA, Annual Reviews, 445 S., ISBN 978-0-8243-1347-0, ISSN 0066-4286.

Band 47 des „Annual Review of Phytopathology“ beginnt mit einem Beitrag von Michèle C. HEATH mit dem Titel: Look Before You Leap: Memoirs of a “Cell Biological” Plant Pathologist. In dem Artikel gibt die Autorin einen umfassenden Einblick in ihr Forscherleben als Phytopathologin und berichtet über ihre Forschungsprojekte und Erfolge.

Weitere Übersichtsartikel aus dem Gesamtgebiet der Phytopathologie schließen sich an:

Plant Disease Diagnostic Capabilities and Networks (Sally A. MILLER, Fen D. BEED, Carrie Lapaire HARMON); Diversity, Pathogenicity, and Management of *Verticillium* Species (Steven J. KLOSTERMAN, Zahi K. ATALLAH, Gary E. VALLAD, Krishna V. SUBBARAO); Bacterial/Fungal Interactions: From Pathogens to Mutualistic Endosymbionts (Donald Y. KOBAYASHI, Jo Anne CROUCH); Community Ecology of Fungal Pathogens Causing Wheat Head Blight (Xiangming XU, Paul NICHOLSON); The Biology of Viroid-Host Interactions (Biao DING); Recent Evolution of Bacterial Pathogens: The Gall-Forming *Pantoea agglomerans* Case (Isaac BARASH, Shulamit MANULIS-SASSON); Fatty Acid-Derived Signals in Plant Defense (Aardra KACHROO, Pradeep KACHROO); Salicylic Acid, a Multifaceted Hormone to Combat Disease (A. Corina VLOT, D'Maris Amick DEMPSEY, Daniel F. KLESSIG); RNAi and Functional Genomics in Plant Parasitic Nematodes (M.N. ROSSO, J.T. JONES, P. ABAD); Fungal Effector Proteins (Ioannis STERGIPOULOS, Pierre J.G.M. DE WIT); Durability of Resistance in Tomato and Pepper to Xanthomonads Causing Bacterial Spot (Robert E. STALL, Jeffrey B. JONES, Gerald V. MINSAVAGE); Seed Pathology Progress in Academia and Industry (Gary P. MUNKVOLD); Migratory Plant Endoparasitic Nematodes: A Group Rich in Contrasts and Divergence (Maurice MOENS, Roland N. PERRY); The Genomes of Root-Knot Nematodes (David McK. BIRD, Valerie M. WILLIAMSON, Pierre ABAD, James McCARTER, Etienne G.J. DANCHIN, Philippe CASTAGNONE-SERENO, Charles H. OPPERMAN); Viruses of Plant Pathogenic Fungi (Said A. GHABRIAL, Nobuhiro SUZUKI); Hordeivirus Replication, Movement, and Pathogenesis (Andrew O. JACKSON, Hyoun-Sub LIM, Jennifer BRAGG, Uma GANESAN, Mi Yeon LEE); *Ustilago maydis* as a Pathogen (Thomas BREFORT, Gunther DOEHLEMANN, Artemio MENDOZA-MENDOZA, Stefanie REISSMANN, Armin DJAMEI, Regine KAHMANN).

Der Band 47 kann unter <http://phyto.annualreviews.org> auch online genutzt werden. Wie die vorher erschienenen Ausgaben bietet Band 47 der Reihe „Annual Review of Phytopathology“ eine aktuelle und umfassende Informationsquelle phytopathologischer Forschungsergebnisse bzw. Literatur.

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