

Literatur

Annual Review of Genetics, Vol. 50, 2016. Eds.: Nancy M. BONINI, Michael LICHTEN, Gertrud SCHÜPBACH. Palo Alto, California, USA, Annual Reviews, 618 S., ISBN 978-0-8243-1250-3, ISSN 0066-4197.

Band 50 des Annual Review of Genetics beginnt mit einem Artikel von James E. HABER mit dem Titel: A Life Investigating Pathways that Repair Broken Chromosomes.

Folgende Übersichtsartikel aus dem Gesamtgebiet der Genetik schließen sich an:

Sex-Biased Gene Expression (Sonja GRATH, John PARSCH); Aneuploidy in Cancer and Aging (Ryan M. NAYLOR, Jan M. VAN DEURSEN); Transition Metals and Virulence in Bacteria (Lauren D. PALMER, Eric P. SKAAR); Sperm Meets Egg: The Genetics of Mammalian Fertilization (Enrica BIANCHI, Gavin J. WRIGHT); Robust Yet Fragile: Expression Noise, Protein Misfolding, and Gene Dosage in the Evolution of Genomes (J. Chris PIRES, Gavin C. CONANT); Evolution in the Cycles of Life (John L. BOWMAN, Keiko SAKAKIBARA, Chihiro FURUMIZU, Tom DIERSCHKE); Functions, Regulation, and Therapeutic Implications of the ATR Checkpoint Pathway (Stephanie A. YAZINSKI, Lee ZOU); Control of Meiotic Crossovers: From Double-Strand Break Formation to Designation (Stephan GRAY, Paula E. COHEN); The Plant Microbiota: Systems-Level Insights and Perspectives (Daniel B. MÜLLER, Christine VOGEL, Yang BAI, Julia A. VORHOLT); Genome-Wide Analysis of RNA Secondary Structure (Philip C. BEVILACQUA, Laura E. RITCHEY, Zhao SU, Sarah M. ASSMANN); Single-Cell and Single-Molecule Analysis of Gene Expression Regulation (Maria VERA, Jeetayu BISWAS, Adrien SENECAL, Robert H. SINGER, Hye Yoon PARK); Conservation and Variability of Meiosis Across the Eukaryotes (Josef LOIDL); Monoallelic Gene Expression in Mammals (Andrew CHESH); Proteopathic Strains and the Heterogeneity of Neurodegenerative Diseases (Lary C. WALKER); The Ecology and Evolution of Cancer: The Ultra-Microevolutionary Process (Chung-I WU, Hurng-Yi WANG, Shaoping LING, Xuemei LU); Regulation and Role of Fungal Secondary Metabolites (Juliane MACHELEIDT, Derek J. MATTERN, Juliane FISCHER, Tina NETZKER, Jakob WEBER, Volker SCHROECKH, Vito VALIANTE, Axel A. BRAKHAGE); Eukaryotic DNA Polymerases in Homologous Recombination (Mitch McVEY, Varandt Y. KHODAVERDIAN, Damon MEYER, Paula Gonçalves CERQUEIRA, Wolf-Dietrich HEYER); Regulated Proteolysis in Bacteria: *Caulobacter* (Kamal Kishore JOSHI, Peter CHIEN); Mosquito Vectors and the Globalization of *Plasmodium falciparum* Malaria (Alvaro MOLINA-CRUZ, Martine M. ZILVERSMIT, Daniel E. NEAFSEY, Daniel L. HARTL, Carolina BARILLAS-MURY); Plant Transgenerational Epigenetics (Leandro QUADRANA, Vincent COLOT); The Genetics of Enteropathogenic *Escherichia coli* Virulence (Jaclyn S. PEARSON, Cristina GIOGHA, Tania Wong Fok LUNG, Elizabeth L. HARTLAND); Deciphering Combinatorial Genetics (Alan S.L. WONG, Gigi C.G. CHOI, Timothy K. LU); Interorgan Communication Pathways in Physiology: Focus on *Drosophila* (Iliia A. DROUJININE, Norbert PERRIMON); Cell-Specific Targeting of Genetically Encoded Tools for Neuroscience (Lucas SJULSON, Daniela CASSATARO, Shamik DASGUPTA, Gero MIESENBOCK); Vaccination via Chloroplast Genetics: Affordable Protein Drugs for the Prevention and Treatment of Inherited or Infectious Human Diseases (Henry DANIELL, Hui-Ting CHAN, Elise K. PASORECK).

Im Anschluss an das Inhaltsverzeichnis wird auf fachlich verwandte Beiträge in anderen "Annual Reviews" verwiesen: z.B.

im Annual Review of Biochemistry, Vol. 85, 2016; Annual Review of Cell and Development Biology, Vol. 32, 2016; Annual Review of Genomics and Human Genetics, Vol. 17, 2016; Annual Review of Microbiology, Vol. 70, 2016.

Der vorliegende Band ist unter <http://genet.annualreviews.org> auch online recherchierbar. Ebenso wie vorher erschienene Bände dieser Buchreihe bietet Band 50 des Annual Review of Genetics wertvolle Informationen aus dem gesamten Forschungsgebiet der Genetik.

Sabine REDLHAMMER
(JKI Braunschweig)

Annual Review of Ecology, Evolution, and Systematics, Vol. 47, 2016. Eds.: Douglas J. FUTUYMA, H. Bradley SHAFFER, Daniel SIMBERLOFF. Palo Alto, California, USA, Annual Reviews, 545 S., ISBN 978-0-8243-1447-7, ISSN 1543-592X.

"The Phyllosphere: Microbial Jungle at the Plant-Climate Interface", mit diesem Beitrag von Corinne VACHER, Arndt HAMPE, Annabel J. PORTÉ, Ursula SAUER, Stéphane COMPANT, Cindy E. MORRIS beginnt der Band 47 des "Annual Review of Ecology, Evolution, and Systematics".

Weitere Übersichtsartikel schließen sich an:

An Evolutionary Genetic Perspective on Cancer Biology (Max SHPAK, Jie LU); Is There a Genetic Paradox of Biological Invasion? (Arnaud ESTOUP, Virginie RAVIGNÉ, Ruth HUFBAUER, Renaud VITALIS, Mathieu GAUTIER, Benoit FACON); Evolutionary History, Selective Sweeps, and Deleterious Variation in the Dog (Adam H. FREEDMAN, Kirk E. LOHMUELLER, Robert K. WAYNE); Forests, Climate, and Public Policy: A 500-Year Interdisciplinary Odyssey (Gordon B. BONAN); Evolution and Extinction of Land Snails on Oceanic Islands (Satoshi CHIBA, Robert H. COWIE); The Mutualistic Niche: Mycorrhizal Symbiosis and Community Dynamics (Kabir-G. PEAY); A Genomic Perspective on the Generation and Maintenance of Genetic Diversity in Herbivorous Insects (Andrew D. GLOSS, Simon C. GROEN, Noah K. WHITEMAN); Integrating Paleontological and Phylogenetic Approaches to Macroevolution (Gene HUNT, Graham SLATER); Structure and Functioning of Dryland Ecosystems in a Changing World (Fernando T. MAESTRE, David J. ELDRIDGE, Santiago SOLIVERES, Sonia KÉFI, Manuel DELGADO-BAQUERIZO, Matthew A. BOWKER, Pablo GARCÍA-PALACIOS, Juan GAITÁN, Antonio GALLARDO, Roberto LÁZARO, Miguel BERDUGO); The Evolutionary Ecology of Animals Inhabiting Hydrogen Sulfide-Rich Environments (Michael TOBLER, Courtney N. PASSOW, Ryan GREENWAY, Joanna L. KELLEY, Jennifer H. SHAW); The Mechanisms and Consequences of Interspecific Competition Among Plants (Erik T. ASCHEHOUG, Rob BROOKER, Daniel Z. ATWATER, John L. MARON, Ragan M. CALLAWAY); Infectious Disease Dynamics in Heterogeneous Landscapes (Steven R. PARRATT, Elina NUMMINEN, Anna-Liisa LAINE); Evolution and Ecology of CRISPR (Edze R. WESTRA, Andrea J. DOWLING, Jenny M. BRONIEWSKI, Stineke VAN HOUTE); Patterns, Causes, and Consequences of Anthropocene Defaunation (Hillary S. YOUNG, Douglas J. McCAULEY, Mauro GALETTI, Rodolfo DIRZO); Coexistence in Close Relatives: Beyond Competition and Reproductive Isolation in Sister Taxa (Marjorie G. WEBER, Sharon Y. STRAUSS); Mediterranean Biomes: Evolution of Their Vegetation, Floras, and Climate (Philip W. RUNDEL, Mary T.K. ARROYO, Richard M. COWLING, Jon E. KEELEY, Byron B. LAMONT, Pablo VARGAS); Characterizing Species Interactions to Understand Press Perturbations: What Is the Community Mat-

rix? (Mark NOVAK, Justin D. YEAKEL, Andrew E. NOBLE, Daniel F. DOAK, Mark EMMERSON, James A. ESTES, Ute JACOB, M. Timothy Tinker, J. Timothy WOOTTON); Evolutionary Legacy Effects on Ecosystems: Biogeographic Origins, Plant Traits, and Implications for Management in the Era of Global Change (Jeannine CAVENDER-BARES, David D. ACKERLY, Sarah E. HOBBIE, Philip A. TOWNSEND); Modularity: Genes, Development, and Evolution (Diogo MELO, Arthur PORTO, James M. CHEVERUD, Gabriel MARROIG); The Role of Symbiotic Microbes in Insect Invasions (Min LU, Jiri HULCR, Jianghua SUN); Ecological Opportunity and Adaptive Radiation (James T. STROUD, Jonathan B. LOSOS).

Weiterhin wird auf fachlich verwandte Beiträge in anderen "Annual Reviews" verwiesen, beispielsweise im Annual Review of Animal Biosciences, Volume 4, 2016; Annual Review of Earth and Planetary Sciences, Volume 44, 2016; Annual Review of

Entomology, Volume 61, 2016; Annual Review of Environment and Resources, Volume 41, 2016; Annual Review of Genetics, Volume 50, 2016; Annual Review of Genomics and Human Genetics, Volume 17, 2016; Annual Review of Marine Science, Volume 8, 2016; Annual Review of Microbiology, Volume 70, 2016; Annual Review of Phytopathology, Volume 54, 2016; Annual Review of Plant Biology, Volume 67, 2016.

Ebenso wie die vorher erschienenen Bände des Annual Review of Ecology, Evolution, and Systematics wird Band 47 durch ein kumulatives Register der beteiligten Autoren und ein kumulierendes Titelverzeichnis für die Bände 43 bis 47 ergänzt. Außerdem sind die Abstracts der Artikel des Bandes 47 online unter <http://ecolsys.annualreviews.org> verfügbar.

Sabine REDLHAMMER
(JKI Braunschweig)

Datum/Ort	Thema	Veranstalter/Kontakt
23. – 28.04.2017, Tulln, Austria	13th International Wheat Genetics Symposium	http://iwgs2017.boku.ac.at University of Natural Resources and Life Sciences Vienna (BOKU), Department for Agrobiotechnology Tulln – Institute for Biotechnology in Plant Production and Department of Crop Sciences – Division of Plant Breeding E-Mail: iwgs.secretary@boku.ac.at Ort: Tulln, Austria
08. – 09.05.2017, Essen	2. Bundeskongress „Grün in der Stadt“	https://www.gruen-in-der-stadt.de Veranstalter: Bundesministerium für Umwelt, Naturschutz, Bau und Reaktorsicherheit Ort: Essen, Colosseum Theater
17. – 18.05.2017, Eberswalde	Tagung: Was nutzt mir Biodiversität? Praxistaugliche Konzepte für den Ökolandbau	http://zukunftsdialogoekolandbau.julius-kuehn.de/ Kontakt: Julius Kühn-Institut (JKI), Prof. Dr. Stefan Kühne E-Mail: stefan.kuehne@julius-kuehn.de Ort: Hochschule für nachhaltige Entwicklung (HNE) Eberswalde
19.05.2017, Braunschweig	Tag der offenen Tür	https://www.julius-kuehn.de Veranstalter: Julius Kühn-Institut Kontakt: pressestelle@julius-kuehn.de 13:00 bis 19:00 Uhr Ort: Julius Kühn-Institut Braunschweig, Messeweg
19.05.2017, Braunschweig	Kulturpflanzen in der Stadt der Zukunft Eine Aktion im Rahmen des Tages der faszinierenden Pflanzen 2017	http://dpg.phytomedizin.org/de/upc/ Veranstalter: DPG, Julius Kühn-Institut Braunschweig, Kontakt: Dr. Falko Feldmann (DPG) E-Mail: Feldmann@phytomedizin.org Ort: Julius Kühn-Institut Braunschweig, Messeweg
19.05.2017, Berlin	4. Arbeitstreffen des DPG-Arbeitskreises Phytomedizin im urbanen Grün	http://dpg.phytomedizin.org/de/termine Das Treffen findet statt im Rahmen der zentralen Veranstaltung des Tages der faszinierenden Pflanzen 2017 als Teil der Tagung Kulturpflanzen für die Stadt der Zukunft Veranstalter: Prof. Dr. Hartmut Balder Ort: Beuth-Hochschule Berlin