

Genome Biology Department

Publications 2020-2021

2021

- Alpha-Bazin, Béatrice, Aurore Gorlas, Arnaud Lagorce, Damien Joulié, Jean-Baptiste Boyer, Murielle Dutertre, Jean-Charles Gaillard, et al. 2021. "Lysine-Specific Acetylated Proteome from the Archaeon *Thermococcus Gammatolerans* Reveals the Presence of Acetylated Histones." *Journal of Proteomics* 232 (February): 104044. <https://doi.org/10.1016/j.jprot.2020.104044>.
- Anchimiuk, Anna, Virginia S. Liroy, Florian Patrick Bock, Anita Minnen, Frederic Boccard, and Stephan Gruber. 2021. "A Low Smc Flux Avoids Collisions and Facilitates Chromosome Organization in *Bacillus Subtilis*." *ELife* 10 (August): e65467. <https://doi.org/10.7554/eLife.65467>.
- Andric, Vedrana, and Mathieu Rougemaille. 2021. "Long Non-Coding RNAs in the Control of Gametogenesis: Lessons from Fission Yeast." *Non-Coding RNA* 7 (2): 34. <https://doi.org/10.3390/ncrna7020034>.
- Andric, Vedrana, Alicia Nevers, Ditipriya Hazra, Sylvie Auxilien, Alexandra Menant, Marc Graille, Benoit Palancade, and Mathieu Rougemaille. 2021. "A Scaffold LncRNA Shapes the Mitosis to Meiosis Switch." *Nature Communications* 12 (1): 770. <https://doi.org/10.1038/s41467-021-21032-7>.
- André, Kévin M., Eliet H. Sipos, and Julie Soutourina. 2021. "Mediator Roles Going Beyond Transcription." *Trends in Genetics* 37 (3): 224–34. <https://doi.org/10.1016/j.tig.2020.08.015>.
- Arnould, Coline, Vincent Rocher, Anne-Laure Finoux, Thomas Clouaire, Kevin Li, Felix Zhou, Pierre Caron, et al. 2021. "Loop Extrusion as a Mechanism for Formation of DNA Damage Repair Foci." *Nature* 590 (7847): 660–65. <https://doi.org/10.1038/s41586-021-03193-z>.
- Bacle, Amélie, Pavel Buslaev, Rebeca Garcia-Fandino, Fernando Favela-Rosales, Tiago Mendes Ferreira, Patrick F. J. Fuchs, Ivan Gushchin, et al. 2021. "Inverse Conformational Selection in Lipid-Protein Binding." *Journal of the American Chemical Society* 143 (34): 13701–9. <https://doi.org/10.1021/jacs.1c05549>.
- Beznosková, Petra, Laure Bidou, Olivier Namy, and Leoš Shivaya Valášek. 2021. "Increased Expression of Tryptophan and Tyrosine TRNAs Elevates Stop Codon Readthrough of Reporter Systems in Human Cell Lines." *Nucleic Acids Research* 49 (9): 5202–15. <https://doi.org/10.1093/nar/gkab315>.
- Bokor, Eszter, Michel Flippi, Sándor Kocsubé, Judit Ámon, Csaba Vágvölgyi, Claudio Scazzocchio, and Zsuzsanna Hamari. 2021. "Genome Organization and Evolution of a Eukaryotic Nicotinate Co-Inducible Pathway." *Open Biology* 11 (9): 210099. <https://doi.org/10.1098/rsob.210099>.
- Boudry, Pierre, Emma Piattelli, Emilie Drouineau, Johann Peltier, Anaïs Boutserin, Maxence Lejars, Eliane Hajnsdorf, et al. 2021. "Identification of RNAs Bound by Hfq Reveals Widespread RNA Partners and a Sporulation Regulator in the Human Pathogen *Clostridioides Difficile*." *RNA Biology*, February, 1–22. <https://doi.org/10.1080/15476286.2021.1882180>.
- Boussaid, Ismael, Salomé Le Goff, Célia Floquet, Emilie-Fleur Gautier, Anna Raimbault, Pierre-Julien Viailly, Dina Al Dulaimi, et al. 2021. "Integrated Analyses of Translatome and Proteome Identify the Rules of Translation Selectivity in RPS14-Deficient Cells." *Haematologica* 106 (3): 746–58. <https://doi.org/10.3324/haematol.2019.239970>.



- Carlier, F., M. Li, L. Maroc, R. Debuchy, C. Souaid, D. Noordermeer, P. Grognet, and F. Malagnac. 2021. "Loss of EZH2-like or SU(VAR)3-9-like Proteins Causes Simultaneous Perturbations in H3K27 and H3K9 Tri-Methylation and Associated Developmental Defects in the Fungus *Podospira Anserina*." *Epigenetics & Chromatin* 14 (1): 22. <https://doi.org/10.1186/s13072-021-00395-7>.
- Chen, Ziyang, Minjia Shen, Chengyao Mao, Chenyu Wang, Panhong Yuan, Tingzhang Wang, and Dongchang Sun. 2021. "A Type I Restriction Modification System Influences Genomic Evolution Driven by Horizontal Gene Transfer in *Paenibacillus Polymyxa*." *Frontiers in Microbiology* 12: 709571. <https://doi.org/10.3389/fmicb.2021.709571>.
- Ciardo, Diletta, Olivier Haccard, Hemalatha Narassimprakash, Jean-Michel Arbona, Olivier Hyrien, Benjamin Audit, Kathrin Marheineke, and Arach Goldar. 2021. "Organization of DNA Replication Origin Firing in *Xenopus* Egg Extracts: The Role of Intra-S Checkpoint." *Genes* 12 (8): 1224. <https://doi.org/10.3390/genes12081224>.
- Ciardo, Diletta, Olivier Haccard, Hemalatha Narassimprakash, David Cornu, Ida Chiara Guerrero, Arach Goldar, and Kathrin Marheineke. 2021. "Polo-like Kinase 1 (Plk1) Regulates DNA Replication Origin Firing and Interacts with Rif1 in *Xenopus*." *Nucleic Acids Research* 49 (17): 9851–69. <https://doi.org/10.1093/nar/gkab756>.
- Crismani, Wayne, Chloe Girard, and Andrew Lloyd. 2021. "Crossover Interference: Just ZYP It." *Proceedings of the National Academy of Sciences of the United States of America* 118 (17): e2103433118. <https://doi.org/10.1073/pnas.2103433118>.
- Tour, Claire Bouthier de la, Martine Mathieu, Pascale Servant, Geneviève Coste, Cédric Norais, and Fabrice Confalonieri. 2021. "Characterization of the DdrD Protein from the Extremely Radioresistant Bacterium *Deinococcus Radiodurans*." *Extremophiles*, May. <https://doi.org/10.1007/s00792-021-01233-0>.
- Déléris, Angélique, Frédéric Berger, and Sandra Duhaucourt. 2021. "Role of Polycomb in the Control of Transposable Elements." *Trends in Genetics: TIG*, June, S0168-9525(21)00144-X. <https://doi.org/10.1016/j.tig.2021.06.003>.
- Eugénie, Nicolas, Yvan Zivanovic, Gaëlle Lelandais, Geneviève Coste, Claire Bouthier de la Tour, Esma Bentchikou, Pascale Servant, and Fabrice Confalonieri. 2021. "Characterization of the Radiation Desiccation Response Regulon of the Radioresistant Bacterium *Deinococcus Radiodurans* by Integrative Genomic Analyses." *Cells* 10 (10): 2536. <https://doi.org/10.3390/cells10102536>.
- Fabret, Celine, and Olivier Namy. 2021. "Translational Accuracy of a Tethered Ribosome." *Nucleic Acids Research* 49 (9): 5308–18. <https://doi.org/10.1093/nar/gkab259>.
- Fasemore, Akinyemi M., Andrea Helbich, Mathias C. Walter, Thomas Dandekar, Gilles Vergnaud, Konrad U. Förstner, and Dimitrios Frangoulidis. 2021. "CoxBase: An Online Platform for Epidemiological Surveillance, Visualization, Analysis, and Typing of *Coxiella Burnetii* Genomic Sequences." *MSystems*, December. <https://doi.org/10.1128/mSystems.00403-21>.
- Fekete, Erzsébet, Fruzsina Péntzes, Norbert Ág, Claudio Scazzocchio, Michel Flippi, and Levente Karaffa. 2021. "Internally Symmetrical Stwintrons and Related Canonical Introns in Hypoxylaceae Species." *Journal of Fungi (Basel, Switzerland)* 7 (9): 710. <https://doi.org/10.3390/jof7090710>.
- Finet, Olivier, Carlo Yague-Sanz, Lara Katharina Krüger, Phong Tran, Valérie Migeot, Max Louski, Alicia Nevers, et al. 2021. "Transcription-Wide Mapping of Dihydrouridine Reveals That mRNA Dihydrouridylation Is Required for Meiotic Chromosome Segregation." *Molecular Cell*, November, S1097-2765(21)00953-9. <https://doi.org/10.1016/j.molcel.2021.11.003>.



- Foray, Anne-Perrine, Sophie Candon, Sara Hildebrand, Cindy Marquet, Fabrice Valette, Coralie Pecquet, Sebastien Lemoine, et al. 2021. "De Novo Germline Mutation in the Dual Specificity Phosphatase 10 Gene Accelerates Autoimmune Diabetes." *Proceedings of the National Academy of Sciences* 118 (47). <https://doi.org/10.1073/pnas.2112032118>.
- Forey, Romain, Antoine Barthe, Mireille Tittel-Elmer, Maxime Wery, Marie-Bénédicte Barrault, Cécile Ducrot, Andrew Seeber, et al. 2021. "A Role for the Mre11-Rad50-Xrs2 Complex in Gene Expression and Chromosome Organization." *Molecular Cell* 81 (1): 183-197.e6. <https://doi.org/10.1016/j.molcel.2020.11.010>.
- Frottin, Frédéric, Manuela Pérez-Berlanga, F. Ulrich Hartl, and Mark S. Hipp. 2021. "Multiple Pathways of Toxicity Induced by C9orf72 Dipeptide Repeat Aggregates and G4C2 RNA in a Cellular Model." *ELife* 10 (June): e62718. <https://doi.org/10.7554/eLife.62718>.
- Giglione, Carmela, and Thierry Meinell. 2021. "Evolution-Driven Versatility of N Terminal Acetylation in Photoautotrophs." *Trends in Plant Science* 26 (4): 375–91. <https://doi.org/10.1016/j.tplants.2020.11.012>.
- Giglione, Carmela, and Thierry Meinell. 2021. "Mapping the Myristoylome through a Complete Understanding of Protein Myristoylation Biochemistry." *Progress in Lipid Research*, November, 101139. <https://doi.org/10.1016/j.plipres.2021.101139>.
- Girard, Chloé, Chantal C. Akerib, and Anne M. Villeneuve. 2021. "Suppression of Him-14(It44ts) by a Transgene Insertion Expressing GFP::COSA-1." *MicroPublication Biology* 2021. <https://doi.org/10.17912/micropub.biology.000430>.
- Girard, Chloe, Karine Budin, Stéphanie Boisnard, Liangran Zhang, Robert Debuchy, Denise Zickler, and Eric Espagne. 2021. "RNAi-Related Dicer and Argonaute Proteins Play Critical Roles for Meicyote Formation, Chromosome-Axes Lengths and Crossover Patterning in the Fungus *Sordaria Macrospora*." *Frontiers in Cell and Developmental Biology* 9 (June): 684108. <https://doi.org/10.3389/fcell.2021.684108>.
- González-Alemán, Roy, Nicolas Chevrollier, Manuel Simoes, Luis Montero-Cabrera, and Fabrice Leclerc. 2021. "MCSS-Based Predictions of Binding Mode and Selectivity of Nucleotide Ligands." *Journal of Chemical Theory and Computation* 17 (4): 2599–2618. <https://doi.org/10.1021/acs.jctc.0c01339>.
- González-Alemán, Roy, Daniel Platero-Rochart, David Hernández-Castillo, Erix W. Hernández-Rodríguez, Julio Caballero, Fabrice Leclerc, and Luis Montero-Cabrera. 2021. "BitQT: A Graph-Based Approach to the Quality Threshold Clustering of Molecular Dynamics." *Bioinformatics (Oxford, England)*, August, btab595. <https://doi.org/10.1093/bioinformatics/btab595>.
- Guérineau, Marc, Luiza Bessa, Séverine Moriau, Ewen Lescop, François Bontems, Nathalie Mathy, Eric Guittet, Julien Bischerour, Mireille Bétermier, and Nelly Morellet. 2021. "The Unusual Structure of the PiggyMac Cysteine-Rich Domain Reveals Zinc Finger Diversity in PiggyBac-Related Transposases." *Mobile DNA* 12 (1): 12. <https://doi.org/10.1186/s13100-021-00240-4>.
- Ha, Kam Pou, and Andrew M. Edwards. 2021. "DNA Repair in *Staphylococcus Aureus*." *Microbiology and Molecular Biology Reviews: MMBR*, September, e0009121. <https://doi.org/10.1128/MMBR.00091-21>.
- Hartmann, Fanny E., S. Lorena Ament-Velásquez, Aaron A. Vogan, Valérie Gautier, Stephanie Le Prieur, Myriam Berramdane, Alodie Snirc, et al. 2021. "Size Variation of the Non-Recombining Region on the Mating-Type Chromosomes in the Fungal *Podospora Anserina* Species Complex." *Molecular Biology and Evolution*, February. <https://doi.org/10.1093/molbev/msab040>.



- Hartmann, Fanny E., Marine Duhamel, Fantin Carpentier, Michael E. Hood, Marie Foulongne-Oriol, Philippe Silar, Fabienne Malagnac, Pierre Grognet, and Tatiana Giraud. 2021. "Recombination Suppression and Evolutionary Strata around Mating-Type Loci in Fungi: Documenting Patterns and Understanding Evolutionary and Mechanistic Causes." *New Phytologist* 229 (5): 2470–91. <https://doi.org/https://doi.org/10.1111/nph.17039>.
- Kalvari, Ioanna, Eric P Nawrocki, Nancy Ontiveros-Palacios, Joanna Argasinska, Kevin Lamkiewicz, Manja Marz, Sam Griffiths-Jones, et al. 2021. "Rfam 14: Expanded Coverage of Metagenomic, Viral and MicroRNA Families." *Nucleic Acids Research* 49 (D1): D192–200. <https://doi.org/10.1093/nar/gkaa1047>.
- Kuksin, Maria, Daphné Morel, Marine Aglave, François-Xavier Danlos, Aurélien Marabelle, Andrei Zinovyev, Daniel Gautheret, and Loïc Verlingue. 2021. "Applications of Single-Cell and Bulk RNA Sequencing in Onco-Immunology." *European Journal of Cancer (Oxford, England: 1990)* 149 (May): 193–210. <https://doi.org/10.1016/j.ejca.2021.03.005>.
- L'Hôte, Valentin, Régis Courbeyrette, Guillaume Pinna, Jean-Christophe Cintrat, Gwenaëlle Le Pavec, Agnès Delaunay-Moisan, Carl Mann, and Jean-Yves Thuret. 2021. "Ouabain and Chloroquine Trigger Senolysis of BRAF-V600E-Induced Senescent Cells by Targeting Autophagy." *Aging Cell*, August, e13447. <https://doi.org/10.1111/acer.13447>.
- Le Goff, Salomé, Ismael Boussaid, Celia Floquet, Anna Raimbault, Isabelle Hatin, Charlotte Andrieu-Soler, Mohammad Salma, et al. 2021. "P53 Activation during Ribosome Biogenesis Regulates Normal Erythroid Differentiation." *Blood* 137 (1): 89–102. <https://doi.org/10.1182/blood.2019003439>.
- Le Huyen, Kim Boi, Cintia Daniela Gonzalez, Gaëtan Pascreau, Valérie Bordeau, Vincent Cattoir, Wenfeng Liu, Philippe Bouloc, Brice Felden, and Svetlana Chabelskaya. 2021. "A Small Regulatory RNA Alters Staphylococcus Aureus Virulence by Titrating RNAlII Activity." *Nucleic Acids Research*, September, gkab782. <https://doi.org/10.1093/nar/gkab782>.
- Li, Youfang Zhou, Stéphanie Boisnard, Adela Enache-Angoulvant, and Cécile Fairhead. 2021. "Genome Editing in the Yeast *Nakaseomyces Delphensis* and Description of Its Complete Sexual Cycle." *Yeast* 38 (1): 57–71. <https://doi.org/https://doi.org/10.1002/yea.3522>.
- Lioy, Virginia S., Ivan Junier, and Frédéric Boccard. 2021. "Multiscale Dynamic Structuring of Bacterial Chromosomes." *Annual Review of Microbiology*, August. <https://doi.org/10.1146/annurev-micro-033021-113232>.
- Lioy, Virginia S., Jean-Noël Lorenzi, Soumaya Najah, Thibault Poinsignon, Hervé Leh, Corinne Saulnier, Bertrand Aigle, et al. 2021. "Dynamics of the Compartmentalized *Streptomyces* Chromosome during Metabolic Differentiation." *Nature Communications* 12 (1): 5221. <https://doi.org/10.1038/s41467-021-25462-1>.
- Mangelinck, Adèle, and Carl Mann. 2021. "DNA Methylation and Histone Variants in Aging and Cancer." *International Review of Cell and Molecular Biology* 364: 1–110. <https://doi.org/10.1016/bs.ircmb.2021.06.002>.
- Monachello, Dario, Marc Lauraine, Sandra Gillot, François Michel, and Maria Costa. 2021. "A New RNA-DNA Interaction Required for Integration of Group II Intron Retrotransposons into DNA Targets." *Nucleic Acids Research*, November, gkab1031. <https://doi.org/10.1093/nar/gkab1031>.



- Morgan, Chris, Martin A. White, F. Chris H. Franklin, Denise Zickler, Nancy Kleckner, and Kirsten Bomblies. 2021. "Evolution of Crossover Interference Enables Stable Autopolyploidy by Ensuring Pairwise Partner Connections in *Arabidopsis Arenosa*." *Current Biology: CB*, August, S0960-9822(21)01132-5. <https://doi.org/10.1016/j.cub.2021.08.028>.
- Mullani, Nowsheen, Yevheniia Porozhan, Adèle Mangelinck, Christophe Rachez, Mickael Costallat, Eric Batsché, Michele Goodhardt, Giovanni Cenci, Carl Mann, and Christian Muchardt. 2021. "Reduced RNA Turnover as a Driver of Cellular Senescence." *Life Science Alliance* 4 (3). <https://doi.org/10.26508/lsa.202000809>.
- Nguyen, Ha T. N., Haoliang Xue, Virginie Firlej, Yann Ponty, Melina Gallopin, and Daniel Gautheret. 2021. "Reference-Free Transcriptome Signatures for Prostate Cancer Prognosis." *BMC Cancer* 21 (1): 394. <https://doi.org/10.1186/s12885-021-08021-1>.
- Papadopoulos, Chris, Isabelle Callebaut, Jean-Christophe Gelly, Isabelle Hatin, Olivier Namy, Maxime Renard, Olivier Lespinet, and Anne Lopes. 2021. "Intergenic ORFs as Elementary Structural Modules of de Novo Gene Birth and Protein Evolution." *Genome Research*, November. <https://doi.org/10.1101/gr.275638.121>.
- Redon, Christophe E., Zoe Schmal, Gargi Tewary, Adèle Mangelinck, Régis Courbeyrette, Jean-Yves Thuret, Mirit I. Aladjem, William M. Bonner, Claudia E. Rube, and Carl Mann. 2021. "Histone Variant H2A.J Is Enriched in Luminal Epithelial Gland Cells." *Genes* 12 (11): 1665. <https://doi.org/10.3390/genes12111665>.
- Riquier, Sébastien, Chloé Bessiere, Benoit Guibert, Anne-Laure Bouge, Anthony Boureux, Florence Ruffle, Jérôme Audoux, et al. 2021. "Kmerator Suite: Design of Specific k-Mer Signatures and Automatic Metadata Discovery in Large RNA-Seq Datasets." *NAR Genomics and Bioinformatics* 3 (3): lqab058. <https://doi.org/10.1093/nargab/lqab058>.
- Rougée, Martin, Leandro Quadrana, Jérôme Zervudacki, Valentin Hure, Vincent Colot, Lionel Navarro, and Angélique Deleris. 2021. "Polycomb Mutant Partially Suppresses DNA Hypomethylation-Associated Phenotypes in *Arabidopsis*." *Life Science Alliance* 4 (2). <https://doi.org/10.26508/lsa.202000848>.
- Sawka-Gądek, Natalia, Alexey Potekhin, Deepankar Pratap Singh, Inessa Grevtseva, Olivier Arnaiz, Simon Penel, Linda Sperling, et al. 2021. "Evolutionary Plasticity of Mating-Type Determination Mechanisms in *Paramecium Aurelia* Sibling Species." *Genome Biology and Evolution* 13 (2): evaa258. <https://doi.org/10.1093/gbe/evaa258>.
- Sellis, Diamantis, Frédéric Guérin, Olivier Arnaiz, Walker Pett, Emmanuelle Lerat, Nicole Boggetto, Sascha Krenek, et al. 2021. "Massive Colonization of Protein-Coding Exons by Selfish Genetic Elements in *Paramecium* Germline Genomes." *PLOS Biology* 19 (7): e3001309. <https://doi.org/10.1371/journal.pbio.3001309>.
- Shevtsov, Vladislav, Alma Kairzhanova, Alexandr Shevtsov, Alexandr Shustov, Ruslan Kalendar, Sarsenbay Abdrakhmanov, Larissa Lukhnova, Uinkul Izbanova, Yerlan Ramankulov, and Gilles Vergnaud. 2021. "Genetic Diversity of *Francisella Tularensis* Subsp. *Holarctica* in Kazakhstan." *PLOS Neglected Tropical Diseases* 15 (5): e0009419. <https://doi.org/10.1371/journal.pntd.0009419>.
- Shevtsov, Alexandr, Larissa Lukhnova, Uinkul Izbanova, Jean-Philippe Vernadet, Marat Kuibagarov, Asylulan Amirgazin, Yerlan Ramankulov, and Gilles Vergnaud. 2021. "Bacillus Anthracis Phylogeography: New Clues From Kazakhstan, Central Asia." *Frontiers in Microbiology* 12: 3797. <https://doi.org/10.3389/fmicb.2021.778225>.



- Singh, Suprita, Joana M. Santos, Lindsey M. Orchard, Naomi Yamada, Riëtte van Biljon, Heather J. Painter, Shaun Mahony, and Manuel Llinás. 2021. "The PfAP2-G2 Transcription Factor Is a Critical Regulator of Gametocyte Maturation." *Molecular Microbiology* 115 (5): 1005–24. <https://doi.org/10.1111/mmi.14676>.
- Sipos, Eliet H., Adélaïde Léty-Stefanska, Cyril Denby Wilkes, Julie Soutourina, and Florent Malloggi. 2021. "Microfluidic Platform for Monitoring *Saccharomyces Cerevisiae* Mutation Accumulation." *Lab on a Chip* 21 (12): 2407–16. <https://doi.org/10.1039/d1lc00086a>.
- Soulé, Antoine, Vladimir Reinharz, Roman Sarrazin-Gendron, Alain Denise, and Jérôme Waldispühl. 2021. "Finding Recurrent RNA Structural Networks with Fast Maximal Common Subgraphs of Edge-Colored Graphs." *PLoS Computational Biology* 17 (5): e1008990. <https://doi.org/10.1371/journal.pcbi.1008990>.
- Sénécaut, Nicolas, Gelio Alves, Hendrik Weisser, Laurent Lignièrès, Samuel Terrier, Lilian Yang-Crosson, Pierre Poulain, Gaëlle Lelandais, Yi-Kuo Yu, and Jean-Michel Camadro. 2021. "Novel Insights into Quantitative Proteomics from an Innovative Bottom-Up Simple Light Isotope Metabolic (BSLIM) Labeling Data Processing Strategy." *Journal of Proteome Research*, February. <https://doi.org/10.1021/acs.jproteome.0c00478>.
- Valadon, Charlène, and Olivier Namy. 2021. "The Importance of the Epi-Transcriptome in Translation Fidelity." *Non-Coding RNA* 7 (3): 51. <https://doi.org/10.3390/ncrna7030051>.
- Vingadassalon, Audrey, Florence Lorieux, Maud Juguet, Alba Noël, Luisa D. F. Santos, Laura Marin Fernandez, Jean-Luc Pernodet, Stéphanie Bury-Moné, and Sylvie Lautru. 2021. "Transcriptional Regulation of Congocidine (Netropsin) Biosynthesis and Resistance." *Applied and Environmental Microbiology*, September, AEM0138021. <https://doi.org/10.1128/AEM.01380-21>.
- Wang, Ji, Claire Toffano-Nioche, Florence Lorieux, Daniel Gautheret, and Jean Lehmann. 2021. "Accurate Characterization of *Escherichia Coli* tRNA Modifications with a Simple Method of Deep-Sequencing Library Preparation." *RNA Biology* 18 (1): 33–46. <https://doi.org/10.1080/15476286.2020.1790871>.
- Wang, Yunfeng, Haoliang Xue, Christine Pourcel, Yang Du, and Daniel Gautheret. 2021. "2-Kupl: Mapping-Free Variant Detection from DNA-Seq Data of Matched Samples." *BMC Bioinformatics* 22 (1): 304. <https://doi.org/10.1186/s12859-021-04185-6>.
- Wang, Yucheng, Mikkel Winther Pedersen, Inger Greve Alsos, Bianca De Sanctis, Fernando Racimo, Ana Prohaska, Eric Coissac, et al. 2021. "Late Quaternary Dynamics of Arctic Biota from Ancient Environmental Genomics." *Nature*, October. <https://doi.org/10.1038/s41586-021-04016-x>.
- Zaworski, Julie, Oyut Dagva, Anthony W. Kingston, Alexey Fomenkov, Richard D. Morgan, Lionello Bossi, and Elisabeth A. Raleigh. 2021. "Genome Archaeology of Two Laboratory *Salmonella Enterica Enterica* Sv Typhimurium." *G3 (Bethesda, Md.)* 11 (9): jkab226. <https://doi.org/10.1093/g3journal/jkab226>.
- Zygmunt, Michel S., Gilles Vergnaud, and Axel Cloeckert. 2021. "Whole-Genome Sequence of a *Brucella Pinnipedialis* Sequence Type 54 Strain Isolated from a Hooded Seal (*Cystophora Cristata*) from the North Atlantic Ocean, Norway." *Microbiology Resource Announcements* 10 (18): e00271-21. <https://doi.org/10.1128/MRA.00271-21>.

- Abello, Arthur, Vinciane Régnier, Olivier Arnaiz, Romain Le Bars, Mireille Bétermier, and Julien Bischerour. "Functional Diversification of Paramecium Ku80 Paralogs Safeguards Genome Integrity during Precise Programmed DNA Elimination." *PLoS Genetics* 16, no. 4 (2020): e1008723. <https://doi.org/10.1371/journal.pgen.1008723>.
- Ament-Velásquez, S. Lorena, Hanna Johannesson, Tatiana Giraud, Robert Debuchy, Sven J. Saupe, Alfons J. M. Debets, Eric Bastiaans, et al. "The Taxonomy of the Model Filamentous Fungus *Podospira Anserina*." *MycoKeys* 75 (November 25, 2020): 51–69. <https://doi.org/10.3897/mycokeys.75.55968>.
- Amirgazin, Asylulan, Gilles Vergnaud, Kasym Mukanov, Marat Kuibagarov, Talgat Karibaev, Yerlan Ramankulov, and Alexandr Shevtsov. "Draft Genome Sequences of Three *Pasteurella Multocida* Strains Isolated from Domestic Animals in Kazakhstan." *Microbiology Resource Announcements* 9, no. 32 (August 6, 2020): e00487-20. <https://doi.org/10.1128/MRA.00487-20>.
- Amzal, Rachida, Alice Thébaut, Martine Lapalus, Marion Almes, Brigitte Grosse, Elodie Mareux, Mauricette Collado-Hilly, et al. "Pharmacological Premature Termination Codon Readthrough of ABCB11 in Bile Salt Export Pump Deficiency: An in Vitro Study." *Hepatology (Baltimore, Md.)*, July 23, 2020. <https://doi.org/10.1002/hep.31476>.
- Armbruster, Laura, Eric Linster, Jean-Baptiste Boyer, Annika Brünje, Jürgen Eirich, Iwona Stephan, Willy V. Bienvenut, et al. "NAA50 Is an Enzymatically Active N α -Acetyltransferase That Is Crucial for Development and Regulation of Stress Responses." *Plant Physiology* 183, no. 4 (2020): 1502–16. <https://doi.org/10.1104/pp.20.00222>.
- Armengaud, Jean, Agnès Delaunay-Moisan, Jean-Yves Thuret, Eelco van Anken, Diego Acosta-Alvear, Tomás Aragón, Carolina Arias, et al. "The Importance of Naturally Attenuated SARS-CoV-2 in the Fight against COVID-19." *Environmental Microbiology* 22, no. 6 (2020): 1997–2000. <https://doi.org/10.1111/1462-2920.15039>.
- Arnaiz, Olivier, Eric Meyer, and Linda Sperling. "ParameciumDB 2019: Integrating Genomic Data across the Genus for Functional and Evolutionary Biology." *Nucleic Acids Research* 48, no. D1 (2020): D599–605. <https://doi.org/10.1093/nar/gkz948>.
- Asif-Laidin, Amna, Christine Conesa, Amandine Bonnet, Camille Grison, Indranil Adhya, Rachid Menouni, Helene Fayol, Noe Palmic, Joel Acker, and Pascale Lesage. "A Small Targeting Domain in Ty1 Integrase Is Sufficient to Direct Retrotransposon Integration Upstream of tRNA Genes." *Embo Journal* 39, no. 17 (September 1, 2020): e104337. <https://doi.org/10.15252/emj.2019104337>.
- Bétermier, Mireille, Valérie Borde, and Jean-Pierre de Villartay. "Coupling DNA Damage and Repair: An Essential Safeguard during Programmed DNA Double-Strand Breaks?" *Trends in Cell Biology* 30, no. 2 (2020): 87–96. <https://doi.org/10.1016/j.tcb.2019.11.005>.
- Bienvenut, Willy V., Annika Brünje, Jean-Baptiste Boyer, Jens S. Mühlenbeck, Gautier Bernal, Ines Lassowskat, Cyril Dian, et al. "Dual Lysine and N-Terminal Acetyltransferases Reveal the Complexity Underpinning Protein Acetylation." *Molecular Systems Biology* 16, no. 7 (July 2020): e9464. <https://doi.org/10.15252/msb.20209464>.
- Bossi, Lionello, Nara Figueroa-Bossi, Philippe Bouloc, and Marc Boudvillain. "Regulatory Interplay between Small RNAs and Transcription Termination Factor Rho." *Biochimica et Biophysica Acta (BBA) - Gene Regulatory Mechanisms* 1863, no. 7 (July 1, 2020): 194546. <https://doi.org/10.1016/j.bbgrm.2020.194546>.
- Chang, Li-Hsin, Sourav Ghosh, and Daan Noordermeer. "TADs and Their Borders: Free Movement or Building a Wall?" *Journal of Molecular Biology* 432, no. 3 (2020): 643–52. <https://doi.org/10.1016/j.jmb.2019.11.025>.
- Chang, Li-Hsin, and Daan Noordermeer. "Of Dots and Stripes: The Morse Code of Micro-C Reveals the Ultrastructure of Transcriptional and Architectural Mammalian 3D Genome Organization." *Molecular Cell* 78, no. 3 (May 7, 2020): 376–78. <https://doi.org/10.1016/j.molcel.2020.04.021>.



- Chu, Lingluo, Zhangyi Liang, Maria Mukhina, Jay Fisher, Nadine Vincenten, Zheng Zhang, John Hutchinson, Denise Zickler, and Nancy Kleckner. "The 3D Topography of Mitotic Chromosomes." *Molecular Cell* 79, no. 6 (September 17, 2020): 902–16. <https://doi.org/10.1016/j.molcel.2020.07.002>.
- Ciaro, Diletta, Olivier Haccard, Hemalatha Narassimprakash, Virginie Chiodelli, Arach Goldar, and Kathrin Marheineke. "Polo-like Kinase 1 (Plk1) Is a Positive Regulator of DNA Replication in the *Xenopus* in Vitro System." *Cell Cycle (Georgetown, Tex.)* 19, no. 14 (July 17, 2020): 1817–32. <https://doi.org/10.1080/15384101.2020.1782589>.
- Cloekaert, Axel, Gilles Vergnaud, and Michel S. Zygmunt. "Omp2b Porin Alteration in the Course of Evolution of *Brucella* Spp." *Frontiers in Microbiology* 11 (2020): 284. <https://doi.org/10.3389/fmicb.2020.00284>.
- Coker, Heather, Guifeng Wei, Benoit Moindrot, Shabaz Mohammed, Tatyana Nesterova, and Neil Brockdorff. "The Role of the Xist 5' M6A Region and RBM15 in X Chromosome Inactivation." *Wellcome Open Research* 5 (2020): 31. <https://doi.org/10.12688/wellcomeopenres.15711.1>.
- Daniel, Sandra, Kelly Goldlust, Valentin Quebre, Minjia Shen, Christian Lesterlin, Jean-Yves Bouet, and Yoshiharu Yamaichi. "Vertical and Horizontal Transmission of ESBL Plasmid from *Escherichia Coli* O104:H4." *Genes* 11, no. 10 (October 16, 2020): 1207. <https://doi.org/10.3390/genes11101207>.
- Denecker, Thomas, Youfang Zhou Li, Cécile Fairhead, Karine Budin, Jean-Michel Camadro, Monique Bolotin-Fukuhara, Adela Angoulvant, and Gaëlle Lelandais. "Functional Networks of Co-Expressed Genes to Explore Iron Homeostasis Processes in the Pathogenic Yeast *Candida Glabrata*." *NAR Genomics and Bioinformatics* 2, no. 2 (June 2020): lqaa027. <https://doi.org/10.1093/nargab/lqaa027>.
- Dian, Cyril, Inmaculada Pérez-Dorado, Frédéric Rivière, Thomas Asensio, Pierre Legrand, Markus Ritzeveld, Mengjie Shen, et al. "High-Resolution Snapshots of Human N-Myristoyltransferase in Action Illuminate a Mechanism Promoting N-Terminal Lys and Gly Myristoylation." *Nature Communications* 11, no. 1 (February 28, 2020): 1132. <https://doi.org/10.1038/s41467-020-14847-3>.
- Espinosa, Elena, Evelyne Paly, and Francois-Xavier Barre. "High-Resolution Whole-Genome Analysis of Sister-Chromatid Contacts." *Molecular Cell* 79, no. 5 (September 3, 2020): 857–69. <https://doi.org/10.1016/j.molcel.2020.06.033>.
- Essouf, Christiane, Jean-Philippe Vernadet, Gilles Vergnaud, Adama Coulibaly, Adèle Kakou-N'Douba, Assavo S.-P. N'Guetta, Thimotée Ouassa, and Christine Pourcel. "Characterization of Sixteen *Achromobacter* Xylooxidans Phages from Abidjan, Côte d'Ivoire, Isolated on a Single Clinical Strain." *Archives of Virology* 165, no. 3 (March 1, 2020): 725–30. <https://doi.org/10.1007/s00705-019-04511-7>.
- Fomenkov, Alexey, Zhiyi Sun, Iain A Murray, Cristian Ruse, Colleen McClung, Yoshiharu Yamaichi, Elisabeth A Raleigh, and Richard J Roberts. "Plasmid Replication-Associated Single-Strand-Specific Methyltransferases." *Nucleic Acids Research* 48, no. 22 (December 16, 2020): 12858–73. <https://doi.org/10.1093/nar/gkaa1163>.
- Gainer, Robert S., Gilles Vergnaud, and Martin E. Hugh-Jones. "A Review of Arguments for the Existence of Latent Infections of *Bacillus Anthracis*, and Research Needed to Understand Their Role in the Outbreaks of Anthrax." *Microorganisms* 8, no. 6 (June 2020): 800. <https://doi.org/10.3390/microorganisms8060800>.
- Godat, Emmanuel, Jean-Charles Preiser, Jean-Christophe Aude, and Pierre Kalfon. "Dynamic Properties of Glucose Complexity during the Course of Critical Illness: A Pilot Study." *Journal of Clinical Monitoring and Computing* 34, no. 2 (April 2020): 361–70. <https://doi.org/10.1007/s10877-019-00299-8>.
- Gogendeau, Delphine, Michel Lemullos, Pierrick Le Borgne, Manon Castelli, Anne Aubusson-Fleury, Olivier Arnaiz, Jean Cohen, et al. "MKS-NPHP Module Proteins Control Ciliary Shedding at the Transition Zone." *PLoS Biology* 18, no. 3 (2020): e3000640. <https://doi.org/10.1371/journal.pbio.3000640>.

- Graille, Marc, and Mathieu Rougemaille. "ERH Proteins: Connecting RNA Processing to Tumorigenesis?" *Current Genetics* 66, no. 4 (August 2020): 689–92. <https://doi.org/10.1007/s00294-020-01065-z>.
- Hadjadj, Djihad, Thomas Denecker, Eva Guérin, Su-Jung Kim, Fabien Fauchereau, Giuseppe Baldacci, Chrystelle Maric, and Jean-Charles Cadoret. "Efficient, Quick and Easy-to-Use DNA Replication Timing Analysis with START-R Suite." *NAR Genomics and Bioinformatics* 2, no. 2 (June 19, 2020). <https://doi.org/10.1093/nargab/lqaa045>.
- Hazra, Ditipriya, Vedrana Andrić, Benoit Palancade, Mathieu Rougemaille, and Marc Graille. "Formation of *S. Pombe* Erh1 Homodimer Mediates Gametogenic Gene Silencing and Meiosis Progression." *Scientific Reports* 10, no. 1 (January 23, 2020): 1034. <https://doi.org/10.1038/s41598-020-57872-4>.
- Huber, Monika, Willy V. Bienvenut, Eric Linster, Iwona Stephan, Laura Armbruster, Carsten Sticht, Dominik Layer, et al. "NatB-Mediated N-Terminal Acetylation Affects Growth and Biotic Stress Responses." *Plant Physiology* 182, no. 2 (February 2020): 792–806. <https://doi.org/10.1104/pp.19.00792>.
- Isermann, Anna, Carl Mann, and Claudia E. Rube. "Histone Variant H2A.J Marks Persistent DNA Damage and Triggers the Secretory Phenotype in Radiation-Induced Senescence." *International Journal of Molecular Sciences* 21, no. 23 (November 30, 2020): 9130. <https://doi.org/10.3390/ijms21239130>.
- Ithurbide, Solenne, Geneviève Coste, Johnny Lisboa, Nicolas Eugénie, Esma Bentchikou, Claire Bouthier de la Tour, Dominique Liger, et al. "Natural Transformation in *Deinococcus Radiodurans*: A Genetic Analysis Reveals the Major Roles of DprA, DdrB, RecA, RecF, and RecO Proteins." *Frontiers in Microbiology* 11 (2020): 1253. <https://doi.org/10.3389/fmicb.2020.01253>.
- Kuibagarov, Marat, Asylulan Amirgazin, Gilles Vergnaud, Alexandr Shustov, Anara Ryskeldina, Yerlan Ramankulov, and Alexandr Shevtsov. "Draft Genome Sequence of *Moraxella Bovoculi* Strain KZ-1, Isolated from Cattle in North Kazakhstan." *Microbiology Resource Announcements* 9, no. 30 (July 2020): e00670-20. <https://doi.org/10.1128/MRA.00670-20>.
- Kuibagarov, Marat, Alma Kairzhanova, Gilles Vergnaud, Asylulan Amirgazin, Larissa Lukhnova, Uinkul Izbanova, Yerlan Ramankulov, and Alexandr Shevtsov. "Draft Genome Sequence of the Strain *Francisella Tularensis* Subsp. *Mediasiatica* 240, Isolated in Kazakhstan." *Microbiology Resource Announcements* 9, no. 35 (August 2020): e00766-20. <https://doi.org/10.1128/MRA.00766-20>.
- Lacoux, Caroline, Aymeric Fouquier d'Hérouël, Françoise Wessner-Le Bohec, Nicolas Innocenti, Chantal Bohn, Sean P. Kennedy, Tatiana Rochat, et al. "Dynamic Insights on Transcription Initiation and RNA Processing during Bacterial Adaptation." *RNA (New York, N.Y.)* 26, no. 4 (April 2020): 382–95. <https://doi.org/10.1261/rna.073288.119>.
- Lebreton, Annie, Erwan Corre, Jean-Luc Jany, Loraine Brillet-Guéguen, Carlos Pérez-Arques, Victoriano Garre, Misharl Monsoor, et al. "Comparative Genomics Applied to *Mucor* Species with Different Lifestyles." *BMC Genomics* 21, no. 1 (February 10, 2020): 135. <https://doi.org/10.1186/s12864-019-6256-2>.
- Linster, Eric, Dominik Layer, Willy V. Bienvenut, Trinh V. Dinh, Felix A. Weyer, Wiebke Leemhuis, Annika Brünje, et al. "The Arabidopsis N α -Acetyltransferase NAA60 Locates to the Plasma Membrane and Is Vital for the High Salt Stress Response." *New Phytologist* 228, no. 2 (2020): 554–69. <https://doi.org/https://doi.org/10.1111/nph.16747>.
- Lioy, Virginia, Jean-Noel Lorenzi, Soumaya Najah, Thibault Poinsignon, Herve Leh, Corinne Saulnier, Bertrand Aigle, et al. "Dynamics of the Compartmentalized *Streptomyces* Chromosome during Metabolic Differentiation." *BioRxiv*, December 9, 2020, 2020.12.09.415976. <https://doi.org/10.1101/2020.12.09.415976>.
- Lioy, Virginia S., Ivan Junier, Valentine Lagage, Isabelle Vallet, and Frédéric Boccard. "Distinct Activities of Bacterial Condensins for Chromosome Management in *Pseudomonas Aeruginosa*." *Cell Reports* 33, no. 5 (November 3, 2020): 108344. <https://doi.org/10.1016/j.celrep.2020.108344>.

- Liu, Wenfeng, Pierre Boudry, Chantal Bohn, and Philippe Bouloc. "Staphylococcus Aureus Pigmentation Is Not Controlled by Hfq." *BMC Research Notes* 13, no. 1 (February 7, 2020): 63. <https://doi.org/10.1186/s13104-020-4934-4>.
- Marchet, Camille, Zamin Iqbal, Daniel Gautheret, Mikaël Salson, and Rayan Chikhi. "REINDEER: Efficient Indexing of k-Mer Presence and Abundance in Sequencing Datasets." *Bioinformatics* 36, no. Supplement_1 (July 1, 2020): i177–85. <https://doi.org/10.1093/bioinformatics/btaa487>.
- Marichal, Laurent, Geraldine Klein, Jean Armengaud, Yves Boulard, Stephane Chedin, Jean Labarre, Serge Pin, Jean-Philippe Renault, and Jean-Christophe Aude. "Protein Corona Composition of Silica Nanoparticles in Complex Media: Nanoparticle Size Does Not Matter." *Nanomaterials* 10, no. 2 (February 2020): 240. <https://doi.org/10.3390/nano10020240>.
- Maroc, Laetitia, Youfang Zhou-Li, Stéphanie Boisnard, and Cécile Fairhead. "A Single Ho-Induced Double-Strand Break at the MAT Locus Is Lethal in *Candida Glabrata*." *PLoS Genetics* 16, no. 10 (October 15, 2020): e1008627. <https://doi.org/10.1371/journal.pgen.1008627>.
- Maurel, Marie-Christine, Fabrice Leclerc, and Guy Herve. "Ribozyme Chemistry: To Be or Not To Be under High Pressure." *Chemical Reviews* 120, no. 11 (June 11, 2020): 4898–4918. <https://doi.org/10.1021/acs.chemrev.9b00457>.
- Meinzel, Thierry, Cyril Dian, and Carmela Giglione. "Myristoylation, an Ancient Protein Modification Mirroring Eukaryogenesis and Evolution." *Trends in Biochemical Sciences* 45, no. 7 (July 1, 2020): 619–32. <https://doi.org/10.1016/j.tibs.2020.03.007>.
- Nguyen, Hoang Quy, Yazid Belkacemi, Carl Mann, Françoise Hoffschir, Stéphane Kerbrat, Mathieu Surenaud, Patricia Zadigue, Alexandre de La Taille, Paul-Henri Romeo, and Sabine Le Gouvello. "Human CCR6+ Th17 Lymphocytes Are Highly Sensitive to Radiation-Induced Senescence and Are a Potential Target for Prevention of Radiation-Induced Toxicity." *International Journal of Radiation Oncology, Biology, Physics* 108, no. 1 (September 1, 2020): 314–25. <https://doi.org/10.1016/j.ijrobp.2019.10.045>.
- Noordermeer, Daan. "3D Genome Organization: Setting the Stage and Introducing Its Players." *Briefings in Functional Genomics* 19, no. 2 (March 2020): 69–70. <https://doi.org/10.1093/bfgp/elaa006>.
- Noordermeer, Daan, and Robert Feil. "Differential 3D Chromatin Organization and Gene Activity in Genomic Imprinting." *Current Opinion in Genetics & Development* 61 (April 1, 2020): 17–24. <https://doi.org/10.1016/j.gde.2020.03.004>.
- Phongsavanh, Xaysongkhome, Noha Al-Qatabi, Mohammed Samer Shaban, Fawzi Khoder-Agha, Merwan El Asri, Martine Comisso, Raphaël Guérois, and Marc Mirande. "How HIV-1 Integrase Associates with Human Mitochondrial Lysyl-TRNA Synthetase." *Viruses* 12, no. 10 (2020): 1202. <https://doi.org/10.3390/v12101202>.
- Pourcel, Christine. "New Insights into CRISPR Arrays." *The CRISPR Journal* 3, no. 6 (December 1, 2020): 422–24. <https://doi.org/10.1089/crispr.2020.29111.cpo>.
- Pourcel, Christine, Cédric Midoux, Gilles Vergnaud, and Libera Latino. "The Basis for Natural Multiresistance to Phage in *Pseudomonas Aeruginosa*." *Antibiotics (Basel, Switzerland)* 9, no. 6 (June 18, 2020): 339. <https://doi.org/10.3390/antibiotics9060339>.
- Pourcel, Christine, Marie Touchon, Nicolas Villeriot, Jean-Philippe Vernadet, David Couvin, Claire Toffano-Nioche, and Gilles Vergnaud. "CRISPRCasdb a Successor of CRISPRdb Containing CRISPR Arrays and Cas Genes from Complete Genome Sequences, and Tools to Download and Query Lists of Repeats and Spacers." *Nucleic Acids Research* 48, no. D1 (2020): D535–D544. <https://doi.org/10.1093/nar/gkz915>.
- Rougée, Martin, Leandro Quadrana, Jérôme Zervudacki, Vincent Colot, Lionel Navarro, and Angélique Deleris. "Altering Polycomb Repressive Complex 2 Activity Partially Suppresses Ddm1 Mutant Phenotypes in *Arabidopsis*." *BioRxiv*, June 2, 2020, 782219. <https://doi.org/10.1101/782219>.
- Sabeti Azad, Mahnaz, Maho Okuda, Mélina Cyrenne, Mickael Bourge, Marie-Pierre Heck, Satoko Yoshizawa, and Dominique Fourmy. "Fluorescent Aminoglycoside Antibiotics and Methods for Accurately Monitoring Uptake by Bacteria." *ACS Infectious Diseases* 6, no. 5 (May 8, 2020): 1008–17. <https://doi.org/10.1021/acsinfecdis.9b00421>.

- Saghai, Aurélien, Yvan Zivanovic, David Moreira, Rosaluz Tavera, and Purificación López-García. “A Novel Microbialite-Associated Phototrophic Chloroflexi Lineage Exhibiting a Quasi-Clonal Pattern along Depth.” *Genome Biology and Evolution* 12, no. 7 (July 1, 2020): 1207–16. <https://doi.org/10.1093/gbe/evaa122>.
- Schweke, Hugo, Marie-Hélène Mucchielli, Sophie Sacquin-Mora, Wanying Bei, and Anne Lopes. “Protein Interaction Energy Landscapes Are Shaped by Functional and Also Non-Functional Partners.” *Journal of Molecular Biology* 432, no. 4 (February 14, 2020): 1183–98. <https://doi.org/10.1016/j.jmb.2019.12.047>.
- Shevtsov, Alexandr, Gilles Vergnaud, Asylulan Amirgazin, Larissa Lukhnova, Uinkul Izbanova, Vladislav Shevtsov, and Yerlan Ramankulov. “Retrospective Analysis of the Relationship between Two Anthrax Outbreaks in Kazakhstan Based on Genomic Data.” *Microbiology Resource Announcements* 9, no. 50 (December 10, 2020). <https://doi.org/10.1128/MRA.01126-20>.
- Sinha, Anurag Kumar, Christophe Possoz, and David R. F. Leach. “The Roles of Bacterial DNA Double-Strand Break Repair Proteins in Chromosomal DNA Replication.” *FEMS Microbiology Reviews* 44, no. 3 (May 2020): 351–68. <https://doi.org/10.1093/femsre/fuaa009>.
- Sperling, Linda. “Janine Beisson, Pioneer of Cytoplasmic Heredity (June 9, 1931, Saïda – August 30, 2020, Megève).” *Protist* 171, no. 6 (2020): 125769. <https://doi.org/10.1016/j.protis.2020.125769>.
- Steunou, Anne Soisig, Marion Babot, Marie-Line Bourbon, Reem Tambosi, Anne Durand, Sylviane Liotenberg, Anja Krieger-Liszka, Yoshiharu Yamaichi, and Soufian Ouchane. “Additive Effects of Metal Excess and Superoxide, a Highly Toxic Mixture in Bacteria.” *Microbial Biotechnology* 13, no. 5 (2020): 1515–29. <https://doi.org/https://doi.org/10.1111/1751-7915.13589>.
- Steunou, Anne Soisig, Marie-Line Bourbon, Marion Babot, Anne Durand, Sylviane Liotenberg, Yoshiharu Yamaichi, and Soufian Ouchane. “Increasing the Copper Sensitivity of Microorganisms by Restricting Iron Supply, a Strategy for Bio-Management Practices.” *Microbial Biotechnology* 13, no. 5 (2020): 1530–45. <https://doi.org/https://doi.org/10.1111/1751-7915.13590>.
- Suissa, Laurent, Virginie Flachon, Jean-Marie Guignon, Charles-Vivien Olivieri, Fanny Burel-Vandenbos, Julien Guglielmi, Damien Ambrosetti, et al. “Urinary Ketone Body Loss Leads to Degeneration of Brain White Matter in Elderly SLC5A8-Deficient Mice.” *Journal of Cerebral Blood Flow & Metabolism* 40, no. 8 (August 1, 2020): 1709–23. <https://doi.org/10.1177/0271678X19873662>.
- Vanssay, Augustin de, Amandine Touzeau, Olivier Arnaiz, Andrea Frapporti, Jamie Phipps, and Sandra Duhaucourt. “The Paramecium Histone Chaperone Spt16-1 Is Required for Pgm Endonuclease Function in Programmed Genome Rearrangements.” *PLoS Genetics* 16, no. 7 (2020): e1008949. <https://doi.org/10.1371/journal.pgen.1008949>.
- Vergnaud, Gilles. “Bacillus Anthracis Evolutionary History: Taking Advantage of the Topology of the Phylogenetic Tree and of Human History to Propose Dating Points.” *Erciyas Medical Journal* 42, no. 4 (2020): 362–69. <https://doi.org/10.14744/etd.2020.64920>.
- Xu, Xi, Chaoju Gong, Yunfeng Wang, Yanyan Hu, Hong Liu, and Zejun Fang. “Multi-Omics Analysis to Identify Driving Factors in Colorectal Cancer.” *Epigenomics* 12, no. 18 (June 23, 2020): 1633–50. <https://doi.org/10.2217/epi-2020-0073>.
- Yano, Hirokazu, Md Zobaidul Alam, Emiko Rimbara, Tomoko F. Shibata, Masaki Fukuyo, Yoshikazu Furuta, Tomoaki Nishiyama, et al. “Corrigendum: Networking and Specificity-Changing DNA Methyltransferases in Helicobacter Pylori.” *Frontiers in Microbiology* 11 (2020): 596598. <https://doi.org/10.3389/fmicb.2020.596598>.
- . “Networking and Specificity-Changing DNA Methyltransferases in Helicobacter Pylori.” *Frontiers in Microbiology* 11 (2020): 1628. <https://doi.org/10.3389/fmicb.2020.01628>.
- Zickler, Denise. “Diter von Wettstein and The Meiotic Program of Pairing and Recombination.” *Methods in Molecular Biology (Clifton, N.J.)* 2124 (2020): 19–35. https://doi.org/10.1007/978-1-0716-0356-7_2.