

104 peer-reviewed research articles mentioning ANR-17-EURE-0003 and GRAL and/or ANR-10-LABX-49-01 published in 2020, listed by alphabetical order:

1. Achilli, Silvia, João T Monteiro, Sonia Serna, Sabine Mayer-Lambertz, Michel Thépaut, Aline Le Roy, Christine Ebel, et al. « TETRALEC, Artificial Tetrameric Lectins: A Tool to Screen Ligand and Pathogen Interactions ». *International journal of molecular sciences* 21, n° 15 (2020): 5290.
2. Alleva, C, Kirill Kovalev, R Astashkin, MI Berndt, C Baeken, T Balandin, Valentin Gordeliy, Ch Fahlke, et J-P Machtens. « Na<sup>+</sup>-dependent gate dynamics and electrostatic attraction ensure substrate coupling in glutamate transporters ». *Science advances* 6, n° 47 (2020): eaba9854.
3. Arragain, Benoît, Grégory Effantin, Piotr Gerlach, Juan Reguera, Guy Schoehn, Stephen Cusack, et Hélène Malet. « Pre-initiation and elongation structures of full-length La Crosse virus polymerase reveal functionally important conformational changes ». *Nature communications* 11, n° 1 (2020): 1-13.
4. Bertin, Aurelie, Nicola de Franceschi, Eugenio de la Mora, Sourav Maiti, Maryam Alqabandi, Nolwen Miguet, Aurelie di Cicco, et al. « Human ESCRT-III polymers assemble on positively curved membranes and induce helical membrane tube formation ». *Nature Communications* 11, n° 1 (29 mai 2020). <https://doi.org/10.1038/s41467-020-16368-5>.
5. Bertrand, Quentin, Viviana Job, Antoine P Maillard, Lionel Imbert, Jean-Marie Teulon, Adrien Favier, Jean-Luc Pellequer, Philippe Huber, Ina Attrée, et Andréa Dessen. « Exolysin (ExlA) from *Pseudomonas aeruginosa* Punctures Holes into Target Membranes Using a Molten Globule Domain ». *Journal of Molecular Biology*, 2020.
6. Bolte, Susanne, Elodie Marcon, Melanie Jaunario, Lucas Moyet, Maite Paternostre, Marcel Kuntz, et Anja Krieger-Liszka. « Dynamics of the localization of the plastid terminal oxidase inside the chloroplast ». *Journal of Experimental Botany* 71, n° 9 (9 mai 2020): 2661-69. <https://doi.org/10.1093/jxb/eraa074>.
7. Breton, Solène, Juliette Jouhet, Ulysse Guyet, Valérie Gros, Justine Pittera, David Demory, Frédéric Partensky, et al. « Unveiling membrane thermoregulation strategies in marine picocyanobacteria ». *New Phytologist* 225, n° 6 (2020): 2396-2410.
8. Burt, Alister, C Keith Cassidy, Peter Ames, Maria Bacia-Verloop, Megghane Baulard, Karine Huard, Zaida Luthey-Schulten, et al. « Complete structure of the chemosensory array core signalling unit in an *E. coli* minicell strain ». *Nature communications* 11, n° 1 (2020): 1-9.
9. Caillat, Christophe, Delphine Guilligay, Guidenn Sulbaran, et Winfried Weissenhorn. « Neutralizing Antibodies Targeting HIV-1 gp41 ». *Viruses* 12, n° 11 (2020): 1210.
10. Camacho-Zarco, Aldo R, Sissy Kalayil, Damien Maurin, Nicola Salvi, Elise Delaforge, Sigrid Milles, Malene Ringkjøbing Jensen, Darren J Hart, Stephen Cusack, et Martin Blackledge. « Molecular basis of host-adaptation interactions between influenza virus polymerase PB2 subunit and ANP32A ». *Nature communications* 11, n° 1 (2020): 1-12.
11. Caveney, Nathanael A., Alexander J. F. Egan, Isabel Ayala, Cedric Laguri, Craig S. Robb, Eefjan Breukink, Waldemar Vollmer, Natalie C. J. Strynadka, et Jean-Pierre Simorre. « Structure of the Peptidoglycan Synthase Activator LpoP in *Pseudomonas aeruginosa* ». *Structure* 28, n° 6 (2 juin 2020): 643+. <https://doi.org/10.1016/j.str.2020.03.012>.
12. Crespo, Marion, Annelaure Damont, Melina Blanco, Emmanuelle Lastrucci, Sara El Kennani, Côme laly-Radio, Laila El Khattabi, et al. « Multi-omic analysis of gametogenesis reveals a novel signature at the promoters and distal enhancers of active genes ». *Nucleic Acids Research* 48, n° 8 (2020): 4115-38.
13. Cruz, Noelia de la, Javier Ramos-Soriano, José J Reina, José L de Paz, Michel Thépaut, Franck Fieschi, Ana Sousa-Herves, et Javier Rojo. « Influence of the reducing-end anomeric configuration of the Man 9 epitope on DC-SIGN recognition ». *Organic & Biomolecular Chemistry* 18, n° 31 (2020): 6086-94.
14. Cuveillier, Camille, Julie Delaroche, Maxime Seggio, Sylvie Gory-Faure, Christophe Bosc, Eric Denarier, Maria Bacia, et al. « MAP6 Is an Intraluminal Protein That Induces Neuronal Microtubules to Coil ». *Science Advances* (2020). <https://doi.org/10.1126/sciadv.aaz4344>.
15. Dalzon, Bastien, Anaëlle Torres, Solveig Reymond, Benoit Gallet, Francois Saint-Antonin, Veronique Collin-Faure, Christine Moriscot, et al. « Influences of Nanoparticles Characteristics on the Cellular Responses: The Example of Iron Oxide and Macrophages ». *Nanomaterials* (2020). <https://doi.org/10.3390/nano10020266>.
16. De Zitter, Elke, Jacqueline Ridard, Daniel Thédié, Virgile Adam, Bernard Levy, Martin Byrdin, Guillaume Gotthard, et al. « Mechanistic investigations of green mEos4b reveal a dynamic long-lived dark state ».

*Journal of the American Chemical Society* 142, n° 25 (2020):10978-88.

17. Decelle, Johan, Giulia Veronesi, Benoit Gallet, Hryhoriy Stryhanyuk, Pietro Benettoni, Matthias Schmidt, Rémi Tucoulou, et al. « Subcellular chemical imaging: new avenues in cell biology ». *Trends in cell biology* 30, n° 3 (2020): 173-88.
18. Dekoninck, Kilian, Juliette Létoquart, Cédric Laguri, Pascal Demange, Robin Bevernaegie, Jean-Pierre Simorre, Olivia Dehu, et al. « Defining the function of OmpA in the Rcs stress response ». *Elife* 9 (2020): e60861.
19. Dellerio, Younès, Cécile Maës, Christian Morabito, Martin Schuler, Caroline Bournaud, Riccardo Aiese Cigliano, Eric Maréchal, Alberto Amato, et Fabrice Rébeillé. « The zoospores of the thraustochytrid *Aurantiochytrium limacinum*: transcriptional reprogramming and lipid metabolism associated to their specific functions ». *Environmental microbiology* 22, n° 5 (2020):1901-16.
20. Deveci, Aykut, Jessy Hasna, et Alexandre Bouron. « Inhibition of store-operated calcium channels by N-arachidonoyl glycine (NAGly): no evidence for the involvement of lipid-sensing G protein coupled receptors ». *Scientific reports* 10, n° 1 (2020):1-10.
21. Domínguez-Rodríguez, Pedro, Corinne Vivès, Michel Thepaut, Franck Fieschi, Pedro M Nieto, José L de Paz, et Javier Rojo. « Second-Generation Dendrimers with Chondroitin Sulfate Type-E Disaccharides as Multivalent Ligands for Langerin ». *Biomacromolecules* 21, n° 7 (2020):2726-34.
22. Donchet, Amélie, Emilie Vassal-Stermann, Francine CA Gérard, Rob WH Ruigrok, et Thibaut Crépin. « Differential behaviours and preferential bindings of influenza nucleoproteins on importins- $\alpha$  ». *Viruses* 12, n° 8 (2020): 834.
23. El Masri, Rana, Yoann Crétinon, Evelyne Gout, et Romain R Vivès. « HS and Inflammation: A Potential Playground for the Sulfs? ». *Frontiers in Immunology* 11 (2020): 570.
24. Elabbadi, Alexandre, Stéphane Pont, Charlotte Verdet, Patrick Plésiat, François Cretin, Guillaume Voiriot, Muriel Fartoukh, et Michel Djibré. « An unusual community-acquired invasive and multi systemic infection due to ExoU-harboring *Pseudomonas aeruginosa* strain: Clinical disease and microbiological characteristics ». *Journal of Microbiology, Immunology and Infection* 53, n° 4 (2020): 647-51.
25. Erba, Elisabetta Boeri, Luca Signor, et Carlo Petosa. « Exploring the Structure and Dynamics of Macromolecular Complexes by Native Mass Spectrometry ». *Journal of Proteomics* (2020). <https://doi.org/10.1016/j.jprot.2020.103799>.
26. Fajardo, Ana Sosa, Pierre Legrand, Lucia Paya-Tormo, Lydie Martin, Maria Teresa Pellicer Martinez, Carlos Echavarrri-Erasun, Xavier Vernede, Luis M. Rubio, et Yvain Nicolet. « Structural Insights into the Mechanism of the Radical SAM Carbide Synthase NifB, a Key Nitrogenase Cofactor Maturing Enzyme ». *Journal of the American Chemical Society* (2020). <https://doi.org/10.1021/jacs.0c02243>.
27. Fornes, Oriol, Jaime A Castro-Mondragon, Aziz Khan, Robin Van der Lee, Xi Zhang, Phillip A Richmond, Bhavi P Modi, et al. « JASPAR 2020: update of the open-access database of transcription factor binding profiles ». *Nucleic acids research* 48, n° D1 (2020):D87-92.
28. Fouët, Guillaume, Isabelle Bally, Luca Signor, Katharina Häußermann, Nicole M Thielens, Véronique Rossi, et Christine Gaboriaud. « Headless C1q: a new molecular tool to decipher its collagen-like functions ». *The FEBS Journal*, 2020.
29. Fouët, Guillaume, Evelyne Gout, Catherine Wicker-Planquart, Isabelle Bally, Camilla De Nardis, Stéphane Dedieu, Anne Chouquet, et al. « Complement C1q Interacts With LRP1 Clusters II and IV Through a Site Close but Different From the Binding Site of Its C1r and C1s-Associated Proteases ». *Frontiers in immunology* 11 (2020): 2706.
30. Gérard, Francine CA, Marc Jamin, Martin Blackledge, Danielle Blondel, et Jean-Marie Bourhis. « Vesicular stomatitis virus phosphoprotein dimerization domain is dispensable for virus growth ». *Journal of virology* 94, n° 6 (2020).
31. Gilquin, Benoit, Myriam Cubizolles, Remco Den Dulk, Frédéric Revol-Cavalier, Manuel Alessio, Charles-Elie Goujon, Camille Echampard, et al. « PepS: An Innovative Microfluidic Device for Bedside Whole Blood Processing before Plasma Proteomics Analyses ». *Analytical Chemistry*, 2020.
32. Guseva, Serafima, Sigrid Milles, Malene Ringkjøbing Jensen, Nicola Salvi, Jean-Philippe Kleman, Damien Maurin, Rob WH Ruigrok, et Martin Blackledge. « Measles virus nucleo-and phosphoproteins form liquid-like phase-separated compartments that promote nucleocapsid assembly ». *Science advances* 6, n° 14 (2020): eaaz7095.
33. Guseva, Serafima, Sigrid Milles, Malene Ringkjøbing Jensen, Guy Schoehn, Rob WH Ruigrok, et Martin

- Blackledge. « Structure, dynamics and phase separation of measles virus RNA replication machinery ». *Current opinion in virology* 41 (2020): 59-67.
34. Gushchin, Ivan, Igor Melnikov, Vitaly Polovinkin, Andrii Ishchenko, et Valentin Gordeliy. « Crystal Structure of a Proteolytic Fragment of the Sensor Histidine Kinase NarQ ». *Crystals* 10, n° 3 (2020): 149.
  35. Gushchin, Ivan, Philipp Orekhov, Igor Melnikov, Vitaly Polovinkin, Anastasia Yuzhakova, et Valentin Gordeliy. « Sensor Histidine Kinase NarQ Activates via Helical Rotation, Diagonal Scissoring, and Eventually Piston-Like Shifts ». *International journal of molecular sciences* 21, n° 9 (2020): 3110.
  36. Hahn, Friedrich, Aischa Niesar, Christina Wangen, Markus Wild, Benedikt Grau, Lars Herrmann, Aysun Capci, et al. « Target verification of artesunate-related antiviral drugs: Assessing the role of mitochondrial and regulatory proteins by click chemistry and fluorescence labeling ». *Antiviral Research* 180 (2020): 104861.
  37. Hennicke, Julia, Linda Schwaigerlehner, Clemens Grünwald-Gruber, Isabelle Bally, Wai Li Ling, Nicole Thielens, Jean-Baptiste Reiser, et Renate Kunert. « Transient pentameric IgM fulfill biological function—Effect of expression host and transfection on IgM properties ». *PLoS one* 15, n° 3 (2020): e0229992.
  38. Hograindleur, Marc-André, Gregory Effantin, Daphna Fenel, Caroline Mas, André Lieber, Guy Schoehn, Pascal Fender, et Emilie Vassal-Stermann. « Binding Mechanism Elucidation of the Acute Respiratory Disease Causing Agent Adenovirus of Serotype 7 to Desmoglein-2 ». *Viruses* 12, n° 10 (2020): 1075.
  39. Hosek, Tomas, Catherine M Bougault, Jean-Pierre Lavergne, Denis Martinez, Isabel Ayala, Daphna Fenel, Marine Restelli, et al. « Structural features of the interaction of MapZ with FtsZ and membranes in *Streptococcus pneumoniae* ». *Scientific reports* 10, n° 1 (2020): 1-13.
  40. Jaussaud, Antoine, Josselin Lupette, Juliette Salvaing, Juliette Jouhet, Olivier Bastien, Marina Gromova, et Eric Maréchal. « Stepwise biogenesis of subpopulations of lipid droplets in nitrogen starved *Phaeodactylum tricornutum* cells ». *Frontiers in plant science* 11 (2020): 48.
  41. Jensen, Malene Ringkjøbing, Filip Yabukarski, Guillaume Communie, Eric Condamine, Caroline Mas, Valentina Volchkova, Nicolas Tarbouriech, et al. « Structural description of the Nipah virus phosphoprotein and its interaction with STAT1 ». *Biophysical journal* 118, n° 10 (2020): 2470-88.
  42. Jessop, Matthew, Benoît Arragain, Roger Miras, Angélique Fraudeau, Karine Huard, Maria Bacia-Verloop, Patrice Catty, Jan Felix, Hélène Malet, et Irina Gutsche. « Structural insights into ATP hydrolysis by the MoxR ATPase RavA and the LdcI-RavA cage-like complex ». *Communications biology* 3, n° 1 (2020): 1-14.
  43. Jiang, Tao, Amandine Roux, Sylvain Engilberge, Zaynab Alsalman, Sebastiano Di Pietro, Bruno Franzetti, François Riobé, Olivier Maury, et Eric Girard. « Tracking Crystallophore Nucleating Properties: Setting Up a Database for Statistical Analysis ». *Crystal Growth & Design* 20, n° 8 (2020): 5322-29.
  44. Kovalev, Kirill, Roman Astashkin, Ivan Gushchin, Philipp Orekhov, Dmytro Volkov, Egor Zinovev, Egor Marin, et al. « Molecular mechanism of light-driven sodium pumping ». *Nature communications* 11, n° 1 (2020): 1-11.
  45. Kovalev, Kirill, D Volkov, Roman Astashkin, Alexey Alekseev, Ivan Gushchin, Jose M Haro-Moreno, Igor Chizhov, et al. « High-resolution structural insights into the heliorhodopsin family ». *Proceedings of the National Academy of Sciences* 117, n° 8 (2020): 4131-41.
  46. Lacombe, Maud, Michel Jaquinod, Lucid Belmudes, Yohann Couté, Claire Ramus, Florence Combes, Thomas Burger, et al. « Comprehensive and comparative exploration of the Atp7b<sup>-/-</sup> mouse plasma proteome ». *Metalomics* 12, n° 2 (2020): 249-58.
  47. Lai, Xuelei, Hicham Chahtane, Raquel Martin-Arealillo, Chloe Zubieta, et François Parcy. « Contrasted evolutionary trajectories of plant transcription factors ». *Current opinion in plant biology* 54 (2020): 101-7.
  48. Lespinats, Sylvain, Olivier De Clerck, Benoît Colange, Vera Gorelova, Delphine Grando, Eric Maréchal, Dominique Van Der Straeten, Fabrice Rébeillé, et Olivier Bastien. « Phylogeny and Sequence Space: A Combined Approach to Analyze the Evolutionary Trajectories of Homologous Proteins. The Case Study of Aminodeoxychorismate Synthase ». *Acta biotheoretica* 68, n° 1 (2020): 139-56.
  49. Liebers, Monique, François-Xavier Gillet, Abir Israel, Kevin Pounot, Louise Chambon, Maha Chieb, Fabien Chevalier, et al. « Nucleo-plastidic PAP 8/pTAC 6 couples chloroplast formation with photomorphogenesis ». *The EMBO Journal* 39, n° 22 (2020): e104941.
  50. Linares, Romain, Charles-Adrien Arnaud, Séraphine Degroux, Guy Schoehn, et Cécile Breyton. « Structure, function and assembly of the long, flexible tail of siphophages ». *Current Opinion in Virology* 45 (2020): 34-42.
  51. Lis, Robert van, Sabine Brugière, Carole Baffert, Yohann Couté, Wolfgang Nitschke, et Ariane Atteia. « Hybrid cluster proteins in a photosynthetic microalga ». *The FEBS journal* 287, n° 4 (2020): 721-35.
  52. Mahieu, Emilie, Jacques Covès, Georg Krüger, Anne Martel, Martine Moulin, Nico Carl, Michael Härtlein,

- Teresa Carlomagno, Bruno Franzetti, et Frank Gabel. « Observing protein degradation by the PAN-20S proteasome by time-resolved neutron scattering ». *Biophysical Journal* 119, n° 2 (2020): 375-88.
53. Mahieu, Emilie, Ziad Ibrahim, Martine Moulin, Michael Härtlein, Bruno Franzetti, Anne Martel, et Frank Gabel. « The power of SANS, combined with deuteration and contrast variation, for structural studies of functional and dynamic biomacromolecular systems in solution ». In *EPJ Web of Conferences*, 236:03002. EDP Sciences, 2020.
  54. Manigrasso, Jacopo, Isabel Chillón, Vito Genna, Pietro Vidossich, Srinivas Somarowthu, Anna Marie Pyle, Marco De Vivo, et Marco Marcia. « Visualizing group II intron dynamics between the first and second steps of splicing ». *Nature communications* 11, n° 1 (2020): 1-15.
  55. Marchioni, Marianne, Chiara Battocchio, Yves Joly, Christelle Gateau, Silvia Nappini, Igor Pis, Pascale Delangle, Isabelle Michaud-Soret, Aurélien Deniaud, et Giulia Veronesi. « Thiolate-Capped Silver Nanoparticles: Discerning Direct Grafting from Sulfidation at the Metal–Ligand Interface by Interrogating the Sulfur Atom ». *The Journal of Physical Chemistry C* 124, n° 24 (2020): 13467-78.
  56. Marchioni, Marianne, Giulia Veronesi, Isabelle Worms, Wai Li Ling, Thomas Gallon, Didier Leonard, Christelle Gateau, et al. « Safer-by-design biocides made of tri-thiol bridged silver nanoparticle assemblies ». *Nanoscale horizons* 5, n° 3 (2020): 507-13.
  57. Maréchal, Eric, et Josselin Lupette. « Relationship between acyl-lipid and sterol metabolisms in diatoms ». *Biochimie* 169 (2020): 3-11.
  58. Merendino, Livia, Florence Courtois, Björn Grübler, Olivier Bastien, Vera Straetmanns, Fabien Chevalier, Silva Lerbs-Mache, Claire Lurin, et Thomas Pfannschmidt. « Retrograde signals from mitochondria reprogramme skoto-morphogenesis in Arabidopsis thaliana via alternative oxidase 1a ». *Philosophical Transactions of the Royal Society B* 375, n° 1801 (2020): 20190567.
  59. Morabito, Christian, Riccardo Aiese Cigliano, Eric Maréchal, Fabrice Rébeillé, et Alberto Amato. « Illumina and PacBio DNA sequencing data, de novo assembly and annotation of the genome of *Aurantiochytrium limacinum* strain CCAP\_4062/1 ». *Data in Brief* 31 (2020): 105729.
  60. Moura, Elisabete CCM, Tiago Baeta, Alessandra Romanelli, Cedric Laguri, Alessandra M Martorana, Emanuela Erba, Jean-Pierre Simorre, Paola Sperandeo, et Alessandra Polissi. « Thanatin Impairs Lipopolysaccharide Transport Complex Assembly by Targeting LptC–LptA Interaction and Decreasing LptA Stability ». *Frontiers in Microbiology* 11 (2020): 909.
  61. Neumann, Emmanuelle, Takeru Kawasaki, Grégory Effantin, Leandro F Estrozi, Orawan Chatchawankanphanich, Takashi Yamada, et Guy Schoehn. « 3D structure of three jumbo phage heads ». *Journal of General Virology* 101, n° 11 (2020): 1219-26.
  62. Ngo, Tuan-Dung, Caroline Perdu, Bakhos Jneid, Michel Ragno, Julia Novion Ducassou, Alexandra Kraut, Yohann Couté, et al. « The PopN gate-keeper complex acts on the ATPase PscN to regulate the T3SS secretion switch from early to middle substrates in *Pseudomonas aeruginosa* ». *Journal of Molecular Biology* 432, n° 24 (2020): 166690.
  63. Ouaguia, Laurissa, Tania Dufeu-Duchesne, Vincent Leroy, Thomas Decaens, Jean-Baptiste Reiser, Eleonora Sosa Cuevas, David Durantel, et al. « Hepatitis B virus exploits C-type lectin receptors to hijack cDC1s, cDC2s and pDCs ». *Clinical & Translational Immunology* 9, n° 12 (2020): e1208.
  64. Pazos, Manuel, Katharina Peters, Adrien Boes, Yalda Safaei, Calem Kenward, Nathanael A Caveney, Cedric Laguri, et al. « SPOR Proteins Are Required for Functionality of Class A Penicillin-Binding Proteins in *Escherichia coli* ». *Mbio* 11, n° 6 (2020).
  65. Porkolab, Vanessa, Carlo Pifferi, Ieva Sutkeviciute, Stefania Ordanini, Marwa Taouai, Michel Thepaut, Corinne Vivès, et al. « Development of C-type lectin-oriented surfaces for high avidity glycoconjugates: towards mimicking multivalent interactions on the cell surface ». *Organic & Biomolecular Chemistry* 18, n° 25 (2020): 4763-72.
  66. Pounot, Kevin, Hussein Chaaban, Vito Foderà, Giorgio Schirò, Martin Weik, et Tilo Seydel. « Tracking Internal and Global Diffusive Dynamics During Protein Aggregation by High-Resolution Neutron Spectroscopy ». *The Journal of Physical Chemistry Letters* 11, n° 15 (2020): 6299-6304.
  67. Pralon, Thibaut, Joy Collombat, Rosa Pipitone, Brigitte Ksas, Venkatasalam Shanmugabalaji, Michel Havaux, Giovanni Finazzi, Paolo Longoni, et Felix Kessler. « Mutation of the atypical kinase ABC1K3 partially rescues the proton gradient regulation 6 Phenotype in *Arabidopsis thaliana* ». *Frontiers in plant science* 11 (2020): 337.

68. Puglisi, Rita, Elisabetta Boeri Erba, et Annalisa Pastore. « A Guide to Native Mass Spectrometry to determine complex interactomes of molecular machines ». *The FEBS journal* 287, n° 12 (2020): 2428-39.
69. Ramirez-Rios, Sacnicte, Sophie Michallet, Leticia Peris, Caroline Barette, Clotilde Rabat, Yangbo Feng, Marie-Odile Fauvarque, Annie Andrieux, Karin Sadoul, et Laurence Lafanechère. « A New Quantitative Cell-Based Assay Reveals Unexpected Microtubule Stabilizing Activity of Certain Kinase Inhibitors, Clinically Approved or in the Process of Approval ». *Frontiers in Pharmacology* 11 (2020): 543.
70. Rampelt, Heike, Iva Sucec, Beate Bersch, Patrick Horten, Inge Perschil, Jean-Claude Martinou, Martin van der Laan, Nils Wiedemann, Paul Schanda, et Nikolaus Pfanner. « The mitochondrial carrier pathway transports non-canonical substrates with an odd number of transmembrane segments ». *BMC biology* 18, n° 1 (2020): 1-14.
71. Salvaing, Juliette, César Botella, Catherine Albrieux, Valérie Gros, Maryse A Block, et Juliette Jouhet. « PUB11-dependent ubiquitination of the phospholipid flippase ALA10 modifies ALA10 localization and affects the pool of linolenic phosphatidylcholine ». *Frontiers in Plant Science* 11 (2020):1070.
72. Sarthou, Manon CM, Benoît H Revel, Florent Villiers, Claude Alban, Titouan Bonnot, Océane Gigarel, Anne-Marie Boisson, Stéphane Ravanel, et Jacques Bourguignon. « Development of a metalloproteomic approach to analyse the response of Arabidopsis cells to uranium stress ». *Metallomics* 12, n° 8 (2020):1302-13.
73. Senarisoy, Muge, Caroline Barette, Françoise Lacroix, Salvatore De Bonis, Meike Stelter, Fabienne Hans, Jean-Philippe Kleman, Marie-Odile Fauvarque, et Joanna Timmins. « Förster Resonance Energy Transfer Based Biosensor for Targeting the hNTH1–YB1 Interface as a Potential Anticancer Drug Target ». *ACS Chemical Biology* 15, n° 4 (2020):990-1003.
74. Serre, Nelson BC, Manon Sarthou, Océane Gigarel, Sylvie Figuet, Massimiliano Corso, Justine Choulet, Valerie Rofidal, et al. « Protein lysine methylation contributes to modulating the response of sensitive and tolerant Arabidopsis species to cadmium stress ». *Plant, cell & environment* 43, n° 3 (2020):760-74.
75. Sharma, Vikas Raj, Ananya Shrivastava, Benoit Gallet, Elizaveta Karepina, Peggy Charbonnier, Mireille Chevallet, Pierre-Henri Jouneau, et Aurélien Deniaud. « Canalicular domain structure and function in matrix-free hepatic spheroids ». *Biomaterials science* 8, n° 1 (2020):485-96.
76. Siebert, Claire, Corinne Mercier, Donald K Martin, Patricia Renesto, et Beatrice Schaack. « Physicochemical Evidence that Francisella FupA and FupB Proteins Are Porins ». *International journal of molecular sciences* 21, n° 15 (2020): 5496.
77. Signor, Luca, Theo Paris, Caroline Mas, Adrien Picard, Georges Lutfalla, Elisabetta Boeri Erba, et Laure Yatime. « Divalent cations influence the dimerization mode of murine S100A9 protein by modulating its disulfide bond pattern ». *Journal of Structural Biology* 213, n° 1 (2020):107689.
78. Silva, Catarina S, Aditya Nayak, Xuelei Lai, Stephanie Hutin, Véronique Hugouvieux, Jae-Hoon Jung, Irene López-Vidriero, et al. « Molecular mechanisms of Evening Complex activity in Arabidopsis ». *Proceedings of the National Academy of Sciences* 117, n° 12 (2020): 6901-9.
79. Silva, Viviam M da, Aline D Cabral, Marcia A Sperança, Fabio M Squina, João Renato C Muniz, Lydie Martin, Yvain Nicolet, et Wanius Garcia. « High-resolution structure of a modular hyperthermostable endo- $\beta$ -1, 4-mannanase from *Thermotoga petrophila*: The ancillary immunoglobulin-like module is a thermostabilizing domain ». *Biochimica et Biophysica Acta (BBA)-Proteins and Proteomics*, 2020,140437.
80. Soleilhac, Emmanuelle, Marjorie Comte, Anaëlle da Costa, Caroline Barette, Christèle Picoli, Magda Mortier, Laurence Aubry, Franck Mouthon, Marie-Odile Fauvarque, et Mathieu Charvériat. « Quantitative Automated Assays in Living Cells to Screen for Inhibitors of Hemichannel Function ». *SLAS DISCOVERY: Advancing the Science of Drug Discovery*, 2020, 2472555220954388.
81. Suárez, Vanessa Tardillo, Elizaveta Karepina, Mireille Chevallet, Benoit Gallet, Cécile Cottet-Rousselle, Peggy Charbonnier, Christine Moriscot, et al. « Nuclear translocation of silver ions and hepatocyte nuclear receptor impairment upon exposure to silver nanoparticles ». *Environmental Science: Nano* 7, n° 5 (2020): 1373-87.
82. Sučec, Iva, Yong Wang, Ons Dakhlaoui, Katharina Weinhäupl, Tobias Jores, Doriane Costa, Audrey Hessel, et al. « Structural basis of client specificity in mitochondrial membrane-protein chaperones ». *Science Advances* 6, n° 51 (2020): eabd0263.
83. Swale, C, B Da Costa, L Sedano, F Garzoni, AA McCarthy, I Berger, C Bieniossek, RWH Ruigrok, B Delmas, et T Crépin. « Identification of the Cargo-Binding Site in the Human Karyopherin RanBP5. » *Journal of Molecular Biology*, 2020.
84. Taher, Raleb, et Eve de Rosny. « A structure-function study of ZraP and ZraS provides new insights into the

two-component system Zra ». *Biochimica et Biophysica Acta (BBA)-General Subjects* 1865, n° 3 (2020): 129810.

85. Talsma, Ditmer T, Felix Poppelaars, Wendy Dam, Anita H Meter-Arkema, Romain R Vivès, Peter Gál, Geert-Jan Boons, et al. « MASP-2 Is a Heparin-Binding Protease; Identification of Blocking Oligosaccharides ». *Frontiers in Immunology* 11 (2020): 732.
86. Tetreau, Guillaume, Anne-Sophie Banneville, Elena A Andreeva, Aaron S Brewster, Mark S Hunter, Raymond G Sierra, Jean-Marie Teulon, et al. « Serial femtosecond crystallography on in vivo-grown crystals drives elucidation of mosquitocidal Cyt1Aa bioactivation cascade ». *Nature communications* 11, n° 1 (2020): 1-16.
87. Thépaut, Michel, Joanna Luczkowiak, Corinne Vivès, Nuria Labiod, Isabelle Bally, Fátima Lasala, Yasmina Grimoire, et al. « DC/L-SIGN recognition of spike glycoprotein promotes SARS-CoV-2 trans-infection and can be inhibited by a glycomimetic antagonist », 2020.
88. Thevenon, Dominique, Ilham Seffouh, Catherine Pillet, Xenia Crespo-Yanez, Marie-Odile Fauvarque, et Emmanuel Taillebourg. « A Nucleolar Isoform of the Drosophila Ubiquitin Specific Protease dUSP36 Regulates MYC-Dependent Cell Growth ». *Frontiers in cell and developmental biology* 8 (2020):506.
89. Törner, Ricarda, Rida Awad, Pierre Gans, Bernhard Brutscher, et Jerome Boisbouvier. « Spectral editing of intra-and inter-chain methyl–methyl NOEs in protein complexes ». *Journal of biomolecular NMR* 74, n° 1 (2020): 83-94.
90. Torres, Anaëlle, Bastien Dalzon, Véronique Collin-Faure, Hélène Diemer, Daphna Fenel, Guy Schoehn, Sarah Cianferani, Marie Carrière, et Thierry Rabilloud. « How Reversible Are the Effects of Fumed Silica on Macrophages? A Proteomics-Informed View ». *Nanomaterials* 10, n° 10 (2020): 1939.
91. Trouillon, Julian, Erwin Sentausa, Michel Ragno, Mylène Robert-Genthon, Stephen Lory, Ina Attrée, et Sylvie Elsen. « Species-specific recruitment of transcription factors dictates toxin expression ». *Nucleic acids research* 48, n° 5 (2020):2388-2400.
92. Trouve, Jennyfer, Andre Zapun, Christopher Arthaud, Claire Durmort, Anne Marie Di Guilmi, Bill Soederstroem, Christophe Grangeasse, Dominique Bourgeois, Yung-Sing Wong, et Cecile Morlot. « Nanoscale Dynamics of Peptidoglycan Assembly During the Cell Cycle of Streptococcus pneumoniae ». *Current Biology*, 2020.
93. Uroda, Tina, Isabel Chillón, Paolo Annibale, Jean-Marie Teulon, Ombeline Pessey, Manikandan Karuppasamy, Jean-Luc Pellequer, et Marco Marcia. « Visualizing the functional 3D shape and topography of long noncoding RNAs by single-particle atomic force microscopy and in-solution hydrodynamic techniques ». *Nature Protocols* 15, n° 6 (2020): 2107-39.
94. Vallet, Alicia, Adrien Favier, Bernhard Brutscher, et Paul Schanda. « ssNMRLib: a comprehensive library and tool box for acquisition of solid-state nuclear magnetic resonance experiments on Bruker spectrometers ». *Magnetic Resonance* 1, n° 2 (2020): 331-45.
95. Vauclare, Pierre, Francesca Natali, Jean-Philippe Kleman, Giuseppe Zaccai, et Bruno Franzetti. « Surviving salt fluctuations: stress and recovery in Halobacterium salinarum, an extreme halophilic Archaeon ». *Scientific reports* 10, n° 1 (2020): 1-10.
96. Vermot, Annelise, Isabelle Petit-Härtlein, Cécile Breyton, Aline Le Roy, Michel Thépaut, Corinne Vivès, Martine Moulin, et al. « Interdomain Flexibility within NADPH Oxidase Suggested by SANS Using LMNG Stealth Carrier ». *Biophysical Journal* 119, n° 3 (2020):605-18.
97. Wagemans, Jeroen, Jessica Tsonos, Dominique Holtappels, Kiandro Fortuna, Jean-Pierre Hernalsteens, Henri De Greve, Leandro F Estrozi, et al. « Structural analysis of jumbo coliphage phAPEC6 ». *International journal of molecular sciences* 21, n° 9 (2020):3119.
98. Wandzik, Joanna M, Tomas Kouba, Manikandan Karuppasamy, Alexander Pflug, Petra Drncova, Jan Provaznik, Nayara Azevedo, et Stephen Cusack. « A structure-based model for the complete transcription cycle of influenza polymerase ». *Cell* 181, n° 4 (2020): 877-93.
99. Wicker-Planquart, Catherine, Samy Dufour, Pascale Tacnet-Delorme, Isabelle Bally, Yves Delneste, Philippe Frachet, Dominique Housset, et Nicole M Thielens. « Molecular and cellular interactions of scavenger receptor SR-F1 with complement C1q provide insights into its role in the clearance of apoptotic cells ». *Frontiers in immunology* 11 (2020): 544.
100. Woodhouse, Joyce, Gabriela Nass Kovacs, Nicolas Coquelle, Lucas M Uriarte, Virgile Adam, Thomas RM Barends, Martin Byrdin, et al. « Photoswitching mechanism of a fluorescent protein revealed by time-resolved crystallography and transient absorption spectroscopy ». *Nature communications* 11, n° 1 (2020): 1-11.

101. Yu, Zhixi, Benjamin Musnier, K David Wegner, Maxime Henry, Benoit Chovelon, Agnes Desroches-Castan, Arnold Fertin, et al. « High-Resolution shortwave infrared imaging of vascular disorders using gold nanoclusters ». *ACS nano* 14, n° 4 (2020): 4973-81.
102. Zabelskii, Dmitrii, Alexey Alekseev, Kirill Kovalev, Vladan Rankovic, Taras Balandin, Dmytro Soloviov, Dmitry Bratanov, et al. « Viral rhodopsins 1 are an unique family of light-gated cation channels ». *Nature communications* 11, n° 1 (2020): 1-16.
103. Zarkadas, Eleftherios, Hong Zhang, Wensheng Cai, Gregory Effantin, Jonathan Perot, Jacques Neyton, Christophe Chipot, Guy Schoehn, Francois Dehez, et Hugues Nury. « The binding of palonosetron and other antiemetic drugs to the serotonin 5-HT<sub>3</sub> receptor ». *Structure* 28, n° 10 (2020): 1131-40.
104. Zarzecka, Urszula, Alessandro Grinzato, Eaazhisai Kandiah, Dominik Cysewski, Paola Berto, Joanna Skorko-Glonek, Giuseppe Zanotti, et Steffen Backert. « Functional analysis and cryo-electron microscopy of *Campylobacter jejuni* serine protease HtrA ». *Gut microbes* 12, n° 1 (2020):1810532.