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## Folker Meyer, PhD

### Education

- Oct 1997 – Jan 2002* **Bielefeld University**  
PhD, Computer Science  
Bielefeld, North Rhine-Westphalia, Germany
- Sep 1992 – Jul 1997* **Bielefeld University**  
MSc, Computer Science  
Bielefeld, North Rhine-Westphalia, Germany

### Research Experience

- Aug 2020 – present* **Professor (Full)**  
University Duisburg-Essen  
Universitätsklinikum Essen  
Essen, Germany
- Nov 2014 – 2020* **Professor (Full)**  
University of Chicago, Department of Medicine  
Chicago, United States
- Oct 2014 – 2020* **Deputy Director** Biology Division  
Argonne National Laboratory, Biology Division  
Lemont, United States
- May 2008 – Nov 2014* **Associate Director** Institute for Genomics and Systems Biology  
Argonne National Laboratory, Institute for Genomics and Systems Biology  
Argonne, United States
- Feb 2008 – present* **Senior Fellow**  
University of Chicago, Institute for Genomics and Systems Biology  
Chicago, United States
- Jun 2006 – present* **Senior Computational Biologist**  
Argonne National Laboratory, Research Group of Computational Biology  
Downers Grove, United States
- May 2006 – present* **Senior Fellow**  
University of Chicago, Computation Institute  
Chicago, USA
- Jun 1997 – May 2006* **Director Bioinformatics Resource Facility**  
Universität Bielefeld, CeBiTec - Center for Biotechnology

Bielefeld, Germany

## Statistics

*RG Score* 42.69  
*Publications* 200+  
*i10-index* 122  
*Citations* 30000+  
*h-index* 62

## Awards & Grants

## Skills & Activities

*Skills* Data Science, Next Generation Sequencing, Bioinformatic Software, Metagenomics, Genomics, Bioinformatics and Computational Biology, Parallel and Distributed Computing, Computational Genomics, Microbial Genomics, High Throughput Sequencing, Microbial Ecology, High Throughput Computing, Software Architecture

*Languages* English, German

*Scientific*

*Memberships*

*Interests*

## Publication Highlights

Torsten Thomas, Jack Gilbert, Folker Meyer: *Metagenomics - A guide from sampling to data analysis*. 02/2012; 2(1):3., DOI:10.1186/2042-5783-2-3

F Meyer, D Paarmann, M D'Souza, R. D. Olson, E.M.M. Glass, M Kubal, T Paczian, A Rodriguez, R Stevens, A Wilke, J Wilkening, RA Edwards: *The metagenomics RAST server - a public resource for the automatic phylogenetic and functional analysis of metagenomes*. BMC Bioinformatics 10/2008; 9(1):386., DOI:10.1186/1471-2105-9-386

Ramy K Aziz, Daniela Bartels, Aaron A Best, Matthew DeJongh, Terrence Disz, Robert A Edwards, Kevin Formsma, Svetlana Gerdes, Elizabeth M Glass, Michael Kubal, Folker Meyer, Gary J Olsen, Robert Olson, Andrei L Osterman, Ross A Overbeek, Leslie K McNeil, Daniel Paarmann, Tobias Paczian, Bruce Parrello, Gordon D Pusch, Claudia Reich, Rick Stevens, Olga Vassieva, Veronika Vonstein, Andreas Wilke, Olga Zagnitko: *The RAST Server: Rapid Annotations using Subsystems Technology*. BMC Genomics 02/2008; 9(1):75., DOI:10.1186/1471-2164-9-75

## Book Chapters

- William L. Trimble, Stephanie M. Greenwald, Sarah Owens, Elizabeth M. Glass, Folker Meyer: *Metagenomic Design and Sequencing*. Field Guidelines for Genetic Experimental Designs in High-Throughput Sequencing, 06/2016: pages 291-312; , ISBN: 978-3-319-31348-1, DOI:10.1007/978-3-319-31350-4\_12
- Kevin P. Keegan, Elizabeth M. Glass, Folker Meyer: *MG-RAST, a Metagenomics Service for Analysis of Microbial Community Structure and Function*. Hydrocarbon and Lipid Microbiology Protocols, 01/2016: pages 207-233; , DOI:10.1007/978-1-4939-3369-3\_13
- Torsten Thomas, Jack Gilbert, Folker Meyer: *A 123 of Metagenomics*. Encyclopedia of Metagenomics, 01/2015: pages 1-9; , DOI:10.1007/978-1-4899-7478-5\_728
- Torsten Thomas, Jack Gilbert, Folker Meyer: *A 123 of Metagenomics*. Encyclopedia of Metagenomics, 01/2015; , DOI:10.1007/978-1-4614-6418-1\_728-4
- Torsten Thomas, Jack Gilbert, Folker Meyer: *Metagenomics: A Guide From Sampling to Data Analysis*. The Role of Bioinformatics in Agriculture, 02/2014: pages 357-383; , ISBN: 978-1-77188-003-9, DOI:10.1201/b16568-16
- Elizabeth M. Glass, Folker Meyer: *The Metagenomics RAST Server: A Public Resource for the Automatic Phylogenetic and Functional Analysis of Metagenomes*. Handbook of Molecular Microbial Ecology I, 05/2011: pages 325-331; , ISBN: 9780470644799, DOI:10.1002/9781118010518.ch37
- Dionysios A. Antonopoulos, Elizabeth M. Glass, Folker Meyer: *Analyzing Metagenomic Data: Inferring Microbial Community Function with MG-RAST*. Metagenomics and its Applications in Agriculture, Biomedicine and Environmental Studies, Edited by Robert W. Li, 01/2011: chapter Analyzing Metagenomic Data: Inferring Microbial Community Function with MG-RAST: pages 47-60; Agricultural Research Service., ISBN: 978-1-61668-682-6
- Elizabeth M. Glass, Folker Meyer: *Analysis of Metagenomics Data*. Bioinformatics for High Throughput Sequencing, 01/1970: pages 219-229; , DOI:10.1007/978-1-4614-0782-9\_13

## Journal Publications

- Rudolf I. Amann, Shakuntala Baichoo, Benjamin J. Blencowe, Peer Bork, Mark Borodovsky, Cath Brooksbank, Patrick S. G. Chain, Rita R. Colwell, Daniele G. Daffonchio, Antoine Danchin, Victor de Lorenzo, Pieter C. Dorrestein, Robert D. Finn, Claire M. Fraser, Jack A. Gilbert, Steven J. Hallam, Philip Hugenholtz, John P. A. Ioannidis, Janet K. Jansson, Jihyun F. Kim, Hans-Peter Klenk, Martin G. Klotz, Rob Knight, Konstantinos T. Konstantinidis, Nikos C. Kyrpides, Christopher E. Mason, Alice C. McHardy, Folker Meyer, Christos A. Ouzounis, Aristides A. N. Patrinos, Mircea Podar, Katherine S. Pollard, Jacques Ravel, Alejandro Reyes Muñoz, Richard J. Roberts, Ramon Rosselló-Móra, Susanna-Assunta Sansone, Patrick D. Schloss, Lynn M. Schriml, João C. Setubal, Rotem Sorek, Rick L. Stevens, James M. Tiedje, Adrian Turjanski, Gene W. Tyson, David W. Ussery, George M. Weinstock, Owen White, William B. Whitman, Ioannis Xenarios: *Consent insufficient for data release—Response*. Science 05/2019; 364(6439):446-446., DOI:10.1126/science.aax7509
- Rudolf I. Amann, Shakuntala Baichoo, Benjamin J. Blencowe, Peer Bork, Mark Borodovsky, Cath Brooksbank, Patrick S. G. Chain, Rita R. Colwell, Daniele G. Daffonchio, Antoine Danchin, Victor de Lorenzo, Pieter C. Dorrestein, Robert D. Finn, Claire M. Fraser, Jack A. Gilbert, Steven J. Hallam, Philip Hugenholtz, John P. A. Ioannidis, Janet K. Jansson, Jihyun F. Kim, Hans-Peter Klenk, Martin

G. Klotz, Rob Knight, Konstantinos T. Konstantinidis, Nikos C. Kyrpides, Christopher E. Mason, Alice C. McHardy, Folker Meyer, Christos A. Ouzounis, Aristides A. N. Patrinos, Mircea Podar, Katherine S. Pollard, Jacques Ravel, Alejandro Reyes Muñoz, Richard J. Roberts, Ramon Rosselló-Móra, Susanna-Assunta Sansone, Patrick D. Schloss, Lynn M. Schriml, João C. Setubal, Rotem Sorek, Rick L. Stevens, James M. Tiedje, Adrian Turjanski, Gene W. Tyson, David W. Ussery, George M. Weinstock, Owen White, William B. Whitman, Ioannis Xenarios: *Toward unrestricted use of public genomic data.* Science 01/2019; 363(6425):350-352., DOI:10.1126/science.aaw1280

Adam P Arkin, Robert W Cottingham, Christopher S Henry, Nomi L Harris, Rick L Stevens, Sergei Maslov, Paramvir Dehal, Doreen Ware, Fernando Perez, Shane Canon, Michael W Sneddon, Matthew L Henderson, William J Riehl, Dan Murphy-Olson, Stephen Y Chan, Roy T Kamimura, Sunita Kumari, Meghan M Drake, Thomas S Brettin, Elizabeth M Glass, Dylan Chivian, Dan Gunter, David J Weston, Benjamin H Allen, Jason Baumohl, Aaron A Best, Ben Bowen, Steven E Brenner, Christopher C Bun, John-Marc Chandonia, Jer-Ming Chia, Ric Colasanti, Neal Conrad, James J Davis, Brian H Davison, Matthew DeJongh, Scott Devoid, Emily Dietrich, Inna Dubchak, Janaka N Edirisinghe, Gang Fang, José P Faria, Paul M Frybarger, Wolfgang Gerlach, Mark Gerstein, Annette Greiner, James Gurtowski, Holly L Haun, Fei He, Rashmi Jain, Marcin P Joachimiak, Kevin P Keegan, Shinnosuke Kondo, Vivek Kumar, Miriam L Land, Folker Meyer, Marissa Mills, Pavel S Novichkov, Taeyun Oh, Gary J Olsen, Robert Olson, Bruce Parrello, Shiran Pasternak, Erik Pearson, Sarah S Poon, Gavin A Price, Srividya Ramakrishnan, Priya Ranjan, Pamela C Ronald, Michael C Schatz, Samuel M D Seaver, Maulik Shukla, Roman A Sutormin, Mustafa H Syed, James Thomason, Nathan L Tintle, Daifeng Wang, Fangfang Xia, Hyunseung Yoo, Shinjae Yoo, Dantong Yu: *KBase: The United States Department of Energy Systems Biology Knowledgebase.* Nature Biotechnology 07/2018; 36(7):566-569., DOI:10.1038/nbt.4163

Robert M Bowers, Nikos C Kyrpides, Ramunas Stepanauskas, Miranda Harmon-Smith, Devin Doud, T B K Reddy, Frederik Schulz, Jessica Jarett, Adam R Rivers, Emiley A Eloie-Fadrosh, Susannah G Tringe, Natalia N Ivanova, Alex Copeland, Alicia Clum, Eric D Becraft, Rex R Malmstrom, Bruce Birren, Mircea Podar, Peer Bork, George M Weinstock, George M Garrity, Jeremy A Dodsworth, Shibu Yooseph, Granger Sutton, Frank O Glöckner, Jack A Gilbert, William C Nelson, Steven J Hallam, Sean P Jungbluth, Thijs J G Ettema, Scott Tighe, Konstantinos T Konstantinidis, Wen-Tso Liu, Brett J Baker, Thomas Rattei, Jonathan A Eisen, Brian Hedlund, Katherine D McMahon, Noah Fierer, Rob Knight, Rob Finn, Guy Cochrane, Ilene Karsch-Mizrachi, Gene W Tyson, Christian Rinke, Alla Lapidus, Folker Meyer, Pelin Yilmaz, Donovan H Parks, A M Eren, Lynn Schriml, Jillian F Banfield, Philip Hugenholtz, Tanja Woyke: *Corrigendum: Minimum information about a single amplified genome (MISAG) and a metagenome-assembled genome (MIMAG) of bacteria and archaea.* Nature Biotechnology 07/2018; 36(7):660-660., DOI:10.1038/nbt0718-660a

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Luke R. Thompson, Jon G. Sanders, Daniel McDonald, Amnon Amir, Joshua Ladau, Kenneth J. Locey, Robert J. Prill, Anupriya Tripathi, Sean M. Gibbons, Gail Ackermann, Jose A. Navas-Molina, Stefan Janssen, Evguenia Kopylova, Yoshiki Vázquez-Baeza, Antonio González, James T. Morton, Siavash Mirarab, Zhenjiang Zech Xu, Lingjing Jiang, Mohamed F. Haroon, Jad Kanbar, Qiyun Zhu, Se Jin Song, Tomasz Kosciolk, Nicholas A. Bokulich, Joshua Lefler, Colin J. Brislawn, Gregory Humphrey, Sarah M. Owens, Jarrad Hampton-Marcell, Donna Berg-Lyons, Valerie McKenzie, Noah Fierer, Jed A. Fuhrman, Aaron Clauset, Rick L. Stevens, Ashley Shade, Katherine S. Pollard, Kelly D. Goodwin, Janet K. Jansson, Jack A. Gilbert, Rob Knight, Jose L. Agosto Rivera, Lisa Al-Moosawi, John Alverdy, Katherine R. Amato, Jason Andras, Lergus T. Angenent, Dionysios A. Antonopoulos, Amy Apprill, David Armitage, Kate Ballantine, Jirí Bárta, Julia K. Baum, Allison Berry, Ashish Bhatnagar, Monica Bhatnagar, Jennifer F. Biddle, Lucie Bittner, Bazartseren Boldgiv, Eric Bottos, Donal M. Boyer, Josephine Braun, William Brazelton, Francis Q. Brearley, Alexandra H. Campbell, J. Gregory Caporaso, Cesar Cardona, JoLynn Carroll, S. Craig Cary, Brenda B. Casper, Trevor C. Charles, Haiyan Chu, Danielle C. Claar, Robert G. Clark, Jonathan B. Clayton, Jose C. Clemente, Alyssa Cochran, Maureen L. Coleman, Gavin Collins, Rita R. Colwell, Mónica Contreras, Benjamin B. Crary, Simon Creer, Daniel A. Cristol, Byron C. Crump, Duoying Cui, Sarah E. Daly, Liliana Davalos, Russell D. Dawson, Jennifer Defazio, Frédéric Delsuc, Hebe M. Dionisi, Maria Gloria Dominguez-Bello, Robin Dowell, Eric A. Dubinsky, Peter O. Dunn, Danilo Ercolini, Robert E. Espinoza, Vanessa Ezenwa, Nathalie Fenner, Helen S. Findlay, Irma D. Fleming, Vincenzo Fogliano, Anna Forsman, Chris Freeman, Elliot S. Friedman, Giancarlo Galindo, Liza Garcia, Maria Alexandra Garcia-Amado, David Garshelis, Robin B. Gasser, Gunnar Gerdts, Molly K. Gibson, Isaac Gifford, Ryan T. Gill, Tugrul Giray, Antje Gittel, Peter Golyshin, Donglai Gong, Hans-Peter Grossart, Kristina Guyton, Sarah-Jane Haig, Vanessa Hale, Ross Stephen Hall, Steven J. Hallam, Kim M. Handley, Nur A. Hasan, Shane R. Haydon, Jonathan E. Hickman, Glida Hidalgo, Kirsten S. Hofmockel, Jeff Hooker, Stefan Hulth, Jenni Hultman, Embriette Hyde, Juan Diego Ibáñez-Álamo, Julie D. Jastrow, Aaron R. Jex, L. Scott Johnson, Eric R. Johnston, Stephen Joseph, Stephanie D. Jurburg, Diogo Jurelevicius, Anders Karlsson, Roger Karlsson, Seth Kauppinen, Colleen T. E. Kellogg, Suzanne J. Kennedy, Lee J. Kerkhof, Gary M. King, George W. Kling, Anson V. Koehler, Monika Krezalek, Jordan Kueneman, Regina Lamendella, Emily M. Landon, Kelly Lane-deGraaf, Julie LaRoche, Peter Larsen, Bonnie Laverock, Simon Lax, Miguel Lentino, Iris I. Levin, Pierre Liancourt, Wenju Liang, Alexandra M. Linz, David A. Lipson, Yongqin Liu, Manuel E. Lladser, Mariana Lozada, Catherine M. Spirito, Walter P. MacCormack, Aurora MacRae-Crerar, Magda Magris, Antonio M. Martín-Platero, Manuel Martín-Vivaldi, L. Margarita Martínez, Manuel Martínez-Bueno, Ezequiel M. Marzinelli, Olivia U. Mason, Gregory D. Mayer, Jamie M. McDevitt-Irwin, James E. McDonald, Krista L. McGuire, Katherine D. McMahon, Ryan McMinds, Mónica Medina, Joseph R. Mendelson, Jessica L. Metcalf, Folker Meyer, Fabian Michelangeli, Kim Miller, David A. Mills, Jeremiah Minich, Stefano Mocali, Lucas Moitinho-Silva, Anni Moore, Rachael M. Morgan-Kiss, Paul Munroe, David Myrold, Josh D. Neufeld, Yingying Ni, Graeme W. Nicol, Shaun Nielsen, Jozef I. Nissimov, Kefeng Niu, Matthew J. Nolan, Karen Noyce, Sarah L. O'Brien, Noriko Okamoto, Ludovic Orlando, Yadira Ortiz Castellano, Olayinka Osuolale, Wyatt Oswald, Jacob Parnell, Juan M. Peralta-Sánchez, Peter Petraitis, Catherine Pfister, Elizabeth Pilon-Smits, Paola Piombino, Stephen B. Pointing, F. Joseph Pollock, Caitlin Potter, Bharath Prithiviraj, Christopher Quince, Asha Rani, Ravi Ranjan, Subramanya Rao, Andrew P. Rees, Miles Richardson, Ulf Riebesell, Carol Robinson, Karl J. Rockne, Selena Marie Rodriguezl, Forest Rohwer, Wayne Roundstone, Rebecca J. Safran, Naseer Sangwan, Virginia Sanz, Matthew Schrenk, Mark D. Schrenzel, Nicole M. Scott, Rita L. Seger, Andaine Seguin-Orlando, Lucy Seldin, Lauren M. Seyler, Baddr Shakhshsheer, Gabriela M. Sheets, Congcong Shen, Yu Shi, Hakdong Shin, Benjamin D. Shogan, Dave Shutler, Jeffrey Siegel, Steve Simmons, Sara Sjöling, Daniel P. Smith, Juan J. Soler, Martin Sperling, Peter D. Steinberg,

Brent Stephens, Melita A. Stevens, Safiyh Taghavi, Vera Tai, Karen Tait, Chia L. Tan, Neslihan Tas, D. Lee Taylor, Torsten Thomas, Ina Timling, Benjamin L. Turner, Tim Urich, Luke K. Ursell, Daniel van der Lelie, William Van Treuren, Lukas van Zwieten, Daniela Vargas-Robles, Rebecca Vega Thurber, Paola Vitaglione, Donald A. Walker, William A. Walters, Shi Wang, Tao Wang, Tom Weaver, Nicole S. Webster, Beck Wehrle, Pamela Weisenhorn, Sophie Weiss, Jeffrey J. Werner, Kristin West, Andrew Whitehead, Susan R. Whitehead, Linda A. Whittingham, Eske Willerslev, Allison E. Williams, Stephen A. Wood, Douglas C. Woodhams, Yeqin Yang, Jesse Zaneveld, Iratxe Zarraonaindia, Qikun Zhang, Hongxia Zhao: *A communal catalogue reveals Earth's multiscale microbial diversity*. *Nature* 11/2017; 551(7681):457–463., DOI:10.1038/nature24621

Folker Meyer, Saurabh Bagchi, Somali Chaterji, Wolfgang Gerlach, Ananth Grama, Travis Harrison, Tobias Paczian, William L Trimble, Andreas Wilke: *MG-RAST version 4-lessons learned from a decade of low-budget ultra-high-throughput metagenome analysis*. *Briefings in Bioinformatics* 09/2017;., DOI:10.1093/bib/bbx105

Somali Chaterji, Jinkyu Koo, Ninghui Li, Folker Meyer, Ananth Grama, Saurabh Bagchi: *Federation in genomics pipelines: techniques and challenges*. *Briefings in Bioinformatics* 08/2017; 20(269)., DOI:10.1093/bib/bbx102

Robert M Bowers, Nikos C Kyrpides, Ramunas Stepanauskas, Miranda Harmon-Smith, Devin Doud, T B K Reddy, Frederik Schulz, Jessica Jarett, Adam R Rivers, Emiley A Eloie-Fadrosh, Susannah G Tringe, Natalia N Ivanova, Alex Copeland, Alicia Clum, Eric D Becraft, Rex R Malmstrom, Bruce Birren, Mircea Podar, Peer Bork, George M Weinstock, George M Garrity, Jeremy A Dodsworth, Shibu Yooseph, Granger Sutton, Frank O Glöckner, Jack A Gilbert, William C Nelson, Steven J Hallam, Sean P Jungbluth, Thijs J G Ettema, Scott Tighe, Konstantinos T Konstantinidis, Wen-Tso Liu, Brett J Baker, Thomas Rattei, Jonathan A Eisen, Brian Hedlund, Katherine D McMahon, Noah Fierer, Rob Knight, Rob Finn, Guy Cochrane, Ilene Karsch-Mizrachi, Gene W Tyson, Christian Rinke, The Genome Standards Consortium, Alla Lapidus, Folker Meyer, Pelin Yilmaz, Donovan H Parks, A M Eren, Lynn Schriml, Jillian F Banfield, Philip Hugenholtz, Tanja Woyke: *Minimum information about a single amplified genome (MISAG) and a metagenome-assembled genome (MIMAG) of bacteria and archaea*. *Nature Biotechnology* 08/2017; 35(8):725-731., DOI:10.1038/nbt.3893

Petra ten Hoopen, Robert D. Finn, Lars Ailo Bongo, Erwan Corre, Bruno Fosso, Folker Meyer, Alex Mitchell, Eric Pelletier, Graziano Pesole, Monica Santamaria, Nils Peder Willassen, Guy Cochrane: *The metagenomic data life-cycle: Standards and best practices*. *GigaScience* 06/2017; 6(8)., DOI:10.1093/gigascience/gix047

Adina Howe, Fan Yang, Ryan J. Williams, Folker Meyer, Kirsten S. Hofmockel: *Identification of the Core Set of Carbon-Associated Genes in a Bioenergy Grassland Soil*. *PLoS ONE* 11/2016; 11(11):e0166578., DOI:10.1371/journal.pone.0166578

Sarah L O'Brien, Sean M Gibbons, Sarah M Owens, Jarrad Hampton-Marcell, Eric R Johnston, Julie D Jastrow, Jack A Gilbert, Folker Meyer, Dionysios A Antonopoulos: *Spatial scale drives patterns in soil bacterial diversity*. *Environmental Microbiology* 02/2016; 18(6)., DOI:10.1111/1462-2920.13231

Andreas Wilke, Jared Bischof, Wolfgang Gerlach, Elizabeth Glass, Travis Harrison, Kevin P Keegan, Tobias Paczian, William L Trimble, Saurabh Bagchi, Ananth Grama, Somali Chaterji, Folker Meyer: *The MG-RAST metagenomics database and portal in 2015*. *Nucleic Acids Research* 12/2015; 44(D1)., DOI:10.1093/nar/gkv1322

- Adina Howe, Daina L Ringus, Ryan J Williams, Zi-Ning Choo, Stephanie M Greenwald, Sarah M Owens, Maureen L Coleman, Folker Meyer, Eugene B Chang: *Divergent responses of viral and bacterial communities in the gut microbiome to dietary disturbances in mice*. The ISME Journal 10/2015; 10(5)., DOI:10.1038/ismej.2015.183
- Hong Xue, Otto X Cordero, Francisco M Camas, William Trimble, Folker Meyer, Julien Guglielmini, Eduardo P C Rocha, Martin F Polz: *Eco-Evolutionary Dynamics of Episomes among Ecologically Cohesive Bacterial Populations*. mBio 07/2015; 6(3)., DOI:10.1128/mBio.00552-15
- Wolfgang Gerlach, Wei Tang, Andreas Wilke, Dan Olson, Folker Meyer: *Container Orchestration for Scientific Workflows*. DOI:10.1109/IC2E.2015.87
- Wei Tang, Jonathan Jenkins, Folker Meyer, Robert Ross, Rajkumar Kettimuthu, Linda Winkler, Xi Yang, Thomas Lehman, Narayan Desai: *Data-Aware Resource Scheduling for Multicloud Workflows: A Fine-Grained Simulation Approach*. DOI:10.1109/CloudCom.2014.19
- Andreas Wilke, Jared Bischof, Travis Harrison, Tom Brettin, Mark D'Souza, Wolfgang Gerlach, Hunter Matthews, Tobias Paczian, Jared Wilkening, Elizabeth M Glass, Narayan Desai, Folker Meyer: *A RESTful API for accessing microbial community data for MG-RAST*. PLoS Computational Biology 01/2015; 11(1):e1004008., DOI:10.1371/journal.pcbi.1004008
- Jared Bischof, Travis Harrison, Tobias Paczian, Elizabeth Glass, Andreas Wilke, Folker Meyer: *Metazen – metadata capture for metagenomes*. Standards in Genomic Sciences 12/2014; 9(1):18., DOI:10.1186/1944-3277-9-18
- Nikos C. Kyrpides, Philip Hugenholtz, Jonathan A. Eisen, Tanja Woyke, Markus Göker, Charles T. Parker, Rudolf Amann, Brian J. Beck, Patrick S. G. Chain, Jongsik Chun, Rita R. Colwell, Antoine Danchin, Peter Dawyndt, Tom Dedeurwaerdere, Edward F. DeLong, John C. Detter, Paul De Vos, Timothy J. Donohue, Xiu-Zhu Dong, Dusko S. Ehrlich, Claire Fraser, Richard Gibbs, Jack Gilbert, Paul Gilna, Frank Oliver Glöckner, Janet K. Jansson, Jay D. Keasling, Rob Knight, David Labeda, Alla Lapidus, Jung-Sook Lee, Wen-Jun Li, Juncai Ma, Victor Markowitz, Edward R. B. Moore, Mark Morrison, Folker Meyer, Karen E. Nelson, Moriya Ohkuma, Christos A. Ouzounis, Norman Pace, Julian Parkhill, Nan Qin, Ramon Rossello-Mora, Johannes Sikorski, David Smith, Mitch Sogin, Rick Stevens, Uli Stingl, Ken-ichiro Suzuki, Dorothea Taylor, Jim M. Tiedje, Brian Tindall, Michael Wagner, George Weinstock, Jean Weissenbach, Owen White, Jun Wang, Lixin Zhang, Yu-Guang Zhou, Dawn Field, William B. Whitman, George M. Garrity, Hans-Peter Klenk: *Genomic Encyclopedia of Bacteria and Archaea: Sequencing a Myriad of Type Strains*. PLoS Biology 08/2014; 12(8):e1001920., DOI:10.1371/journal.pbio.1001920
- Dawn Field, Peter Sterk, Renzo Kottmann, J Wim De Smet, Linda Amaral-Zettler, Guy Cochrane, James R Cole, Neil Davies, Peter Dawyndt, George M Garrity, Jack A Gilbert, Frank Oliver Glöckner, Lynette Hirschman, Hans-Peter Klenk, Rob Knight, Nikos Kyrpides, Folker Meyer, Ilene Karsch-Mizrachi, Norman Morrison, Robert Robbins, Inigo San Gil, Susanna Sansone, Lynn Schriml, Tatiana Tatusova, Dave Ussery, Pelin Yilmaz, Owen White, John Wooley, Gregory Caporaso: *Genomic Standards Consortium Projects*. Standards in Genomic Sciences 06/2014; 9(3):599-601., DOI:10.4056/sigs.5559680
- S. Owens, K. Keegan, F. Meyer, W. L. Trimble: *Characterizing Sequencing Samples with k-mer Spectra for Good and Evil*. Journal of biomolecular techniques: JBT 05/2014; 25(Suppl):S4-S4.
- Kim M Handley, Daniela Bartels, Edward J O Loughlin, Kenneth H Williams, William L Trimble, Kelly Skinner, Jack A Gilbert, Narayan Desai, Elizabeth M Glass, Tobias Paczian, Andrea Wilke, Dionysios Antonopoulos, Kenneth M Kemner, Folker Meyer: *The complete genome sequence for*

*putative H<sub>2</sub> - and S-oxidizer Candidatus Sulfuricurvum sp.*, assembled de novo from an aquifer-derived metagenome. *Environmental Microbiology* 03/2014; 16(11)., DOI:10.1111/1462-2920.12453

Neil Davies, Dawn Field, Linda Amaral-Zettler, Melody S Clark, John Deck, Alexei Drummond, Daniel P Faith, Jonathan Geller, Jack Gilbert, Frank Oliver Glöckner, Penny R Hirsch, Jo-Ann Leong, Chris Meyer, Matthias Obst, Serge Planes, Chris Scholin, Alfried P Vogler, Ruth D Gates, Rob Toonen, Véronique Berteaux-Lecellier, Michèle Barbier, Katherine Barker, Stefan Bertilsson, Mesude Bicak, Matthew J Bietz, Jason Bobe, Levente Bodrossy, Angel Borja, Jonathan Coddington, Jed Fuhrman, Gunnar Gerdts, Rosemary Gillespie, Kelly Goodwin, Paul C Hanson, Jean-Marc Hero, David Hoekman, Janet Jansson, Christian Jeanthon, Rebecca Kao, Anna Klindworth, Rob Knight, Renzo Kottmann, Michelle S Koo, Georgios Kotoulas, Andrew J Lowe, Viggó Thór Marteinsson, Folker Meyer, Norman Morrison, David D Myrold, Evangelos Pafilis, Stephanie Parker, John Jacob Parnell, Paraskevi N Polymenakou, Sujeevan Ratnasingham, George K Roderick, Naiara Rodriguez-Ezpeleta, Karsten Schonrogge, Nathalie Simon, Nathalie J Valette-Silver, Yuri P Springer, Graham N Stone, Steve Stones-Havas, Susanna-Assunta Sansone, Kate M Thibault, Patricia Wecker, Antje Wichels, John C Wooley, Tetsukazu Yahara, Adriana Zingone: *The founding charter of the Genomic Observatories Network*. *GigaScience* 03/2014; 3(1):2., DOI:10.1186/2047-217X-3-2

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## Patents

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