

## Vita for Mya Breitbart

### MYA BREITBART

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College of Marine Science  
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#### Education

University of California San Diego & San Diego State University	Cell and Molecular Biology	Ph.D. 2006
Florida Institute of Technology	Biology	B.S. 2000

#### Appointments

Associate Professor at the University of South Florida	2012-present
Assistant Professor at the University of South Florida	2006-2012

#### Awards

Florida Trend Magazine's All Star. 2014.  
University of South Florida Outstanding Faculty Award. 2014.  
Popular Science Magazine's "Brilliant Ten" Young Investigators. 2013.  
Honorable Mention, University of South Florida's Outstanding Graduate Mentor Award. 2013.  
Kavli Frontiers Fellow. National Academy of Sciences. 2009 and 2010.  
"Each One Teach One" Phenomenal Woman Award, University of South Florida Saint Petersburg. 2009.  
Outstanding Research Achievement Award, University of South Florida. 2008.  
Alfred P. Sloan Research Fellow. 2007.  
Genome Technology Magazine's Young Investigator Award. 2006.  
Achievement Rewards for College Scientists. 2005-2006.

#### Significant Outreach Activities

Invited panelist, USF 11<sup>th</sup> annual diversity summit. 3/14.  
Spoonbill Bowl Volunteer Moderator. 2014.  
FabFems Role Model. 2013-present.  
Leadership Team Member for Florida Girls Collaborative Project. 2010-present.  
Designed a fully functional Marine Science Laboratory for Girl Scout Camp Wai Lani. 2011.  
Designed and ran a Girl Scout Marine Science Workshop for an Girl Scout Encampment at Camp Wai Lani (150 Girls ranging from ages 5-13). 2009.  
Co-organizer of a Girl Scout Marine Science and Technology Workshop at the College of Marine Science. 2008. <http://www.marine.usf.edu/news/girlscouts.shtml>

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Faculty mentor for the USF Oceanography Camp for Girls. 2007-2011.

Created bilingual educational videos about microbialites in our field site of Cuatro Ciénegas, Mexico. 2007. [http://www.desertfishes.org/cuatroc/literature/pdf/Breitbart\\_videos.php](http://www.desertfishes.org/cuatroc/literature/pdf/Breitbart_videos.php)

### Current Graduate Students

Chelsea Bonnain – M.S. student (Fall 2014-present)

Elizabeth Fahsbender – M.S. student (Fall 2012 – present)

Dawn Goldsmith – Ph.D. student (Fall 2007 – present)

Max Hopkins – Ph.D. student (Summer 2011 – present)

Stephanie Lawler- M.S. student (Fall 2013 – present)

Brittany Leigh – Ph.D. student (Fall 2012 – present)

Monica Mion Cook – Ph.D. student (Fall 2007– present)

Ryan Schenck – Ph.D. student (Fall 2013 – present)

Erin Symonds – Ph.D. student (Fall 2011 – present)

### Former Graduate Students

Erin Symonds – M.S. student, 2006 – 2008. M.S. received Spring 2008. Currently a Ph.D. student.

Terry Fei Fan Ng – Ph.D. student, 2006 – 2010. Ph.D. received Fall 2010. Currently a postdoc at the Blood Systems Research Institute in San Francisco.

Karyna Rosario – Ph.D. student, 2006 – 2010. Ph.D. received Fall 2010. Currently a postdoc in my laboratory.

Anthony Nitti – M.S. student, 2007 – 2010. M.S. received Fall 2010. Co-advised by David Hollander. Currently employed at NovoBiotic Pharmaceuticals in Massachusetts.

Camille Daniels – Ph.D. student, 2006-2011. Ph.D. received Fall 2011. Currently a postdoc at KAUST University in Saudi Arabia.

Darren Dunlap – M.S. student, 2009 – 2012. M.S. received Spring 2012. Currently a researcher at the United States Geological Survey in Reston, VA.

Sheila O’Dea – M.S. student, 2009 – 2012. M.S. received Summer 2012. Currently a researcher at the Florida Fish and Wildlife Commission in St Petersburg, FL.

### Post-doctoral Researchers

Kimberly Pause, 2007 – 2010. Currently the Direction of STEM Initiatives and an Assistant Professor of Biology at Stevenson University, MD.

Bhakti Dwivedi, 2009 – 2012. Currently a Senior Research Scientist at The Winship Cancer Institute of Emory University, GA.

Karyna Rosario, 2011 – 2013. Currently an independent Research Associate at the University of South Florida.

Anna Szekely, 2013-2014. Marie Curie Fellow.

**Peer-Reviewed Publications** (underline indicates my students or post-docs)

**(76 published journal articles and 2 book chapters, 4723 citations as of 11/1/14, H-index 35)**

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- Hewson, I., J.B. Button, B.M. Gudenkauf, B. Miner, A.L. Newton, J.K. Gaydos, J. Wynne, G.L. Groves, G. Hendler, M. Murray, S. Fradkin, **M. Breitbart**, E. Fahsbender, K.D. Lafferty, A.M. Kilpatrick, C.M. Miner, P. Raimondi, L. Lahner, C.S. Friedman, S. Daniels, M. Haulena, J. Marliave, C.A. Burge, M.E. Eisenlord, C.D. Harvell (2014). Densovirus associated with sea-star wasting disease and mass mortality. *Proceedings of the National Academy of Sciences*. doi:10.1073/pnas.1416625111.
- Symonds, E.M., M.E. Verbyla, J.O. Lukasik, R.C. Kafle, **M. Breitbart**, J.R. Mihelcic (2014). A case study of enteric virus removal and insights into the associated risk of water reuse for two wastewater treatment pond systems in Bolivia. *Water Research*. 65: 257-270.
- Muller-Karger, F.E., M.T. Kavanaugh, E. Montes, W.M. Balch, **M. Breitbart**, F.P. Chavez, S.C. Doney, E.M. Johns, R.M. Letelier, M.W. Lomas, H.M. Sosik, A.E. White (2014). A framework for a marine biodiversity observing network within changing continental shelf seascapes. *Oceanography*. 27: 18-23.
- Symonds, E.M. and **M. Breitbart**. (2014). Paradigm shift in water quality management: The need for affordable enteric virus detection. *Bioessays*. doi:10.1002/clen.201400235.
- Hopkins, M., S Kailasan, A Cohen, S Roux, KP Tucker, A Shevenell, M Agbandje-McKenna, **M Breitbart**. (2014). Diversity of environmental single-stranded DNA phages revealed by PCR amplification of the partial major capsid protein. *ISME Journal*. 8: 2093-2103.
- Burghart, SE, L Van Woudenberg, CA Daniels, SD Myers, EB Peebles, **M Breitbart** (2014). Disparity between plankton fish egg and larval communities as indicated by DNA barcoding. *Marine Ecology Progress Series*. 503: 195-204.
- Rosario, K., H Capobianco, TFF Ng, **M Breitbart**, JE Polston (2014) RNA viral metagenome of whiteflies leads to the discovery and characterization of a whitefly-transmitted carlavirus in North America. *PLoS ONE*. 9: e86748.
- Ng, TFF, C Driscoll, R Myers, D Limpert, R Schmieder, B Dwivedi, J Wong, Y Cha, K Feldman, S Head, **M Breitbart**, E Delwart (2013). Distinct lineage of vesiculovirus from big brown bats, United States. *Emerging Infectious Diseases*. 19: 1978–1980.
- Ng, TFF, S Alavandi, A Varsani, S Burghart, **M Breitbart** (2013). Metagenomic identification of a nodavirus and a circular ssDNA virus in semi-purified viral nucleic acids from the hepatopancreas of healthy *Farfantepenaeus duorarum* shrimp. *Diseases of Aquatic Organisms*. 105: 237-242.
- McDaniel, LD, K Rosario, **M Breitbart**, JH Paul (2013). Comparative metagenomics: Natural populations of induced prophages demonstrate highly unique, lower diversity viral sequences. *Environmental Microbiology*. 16: 570–585.
- Hewson, I, G Ng, WF Li, BA LaBarrel, I Aguirre, JG Barbosa, **M Breitbart**, AW Greco, CM Kearns, A Looil, LR Schaffner, PD Thompson, NG Hairston Jr (2013). Metagenomic identification, seasonal dynamics and potential transmission mechanisms of a *Daphnia*-associated single-stranded DNA virus in two temperate lakes. *Limnology and Oceanography*. 58: 1605-1620.
- Dayaram, A, KA Potter, AB Moline, DD Rosenstein, M Marinov, JE Thomas, **M Breitbart**, K Rosario, GR Arguello-Astorga, A Varsani (2013). High global diversity of cycloviruses amongst dragonflies. *Journal of General Virology*. 94: 1827-1840.

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- Dwivedi, B, B Xue, D Lundin, RA Edwards, **M Breitbart** (2013). A bioinformatics analysis of ribonucleotide reductase genes in phage genomes and metagenomes. *BMC Evolutionary Biology*. 13: 33.
- Padilla-Rodriguez, M, K Rosario, **M Breitbart** (2013). Discovery of a novel cyclovirus found in a Florida Woods Cockroach (*Eurycotis floridana*). *Archives of Virology*. 158: 1389-1392.
- Dunlap, DS, TFF Ng, K Rosario, JG Barbosa, AM Greco, **M Breitbart**, I Hewson (2013). Molecular and microscopic evidence of viruses in marine copepods. *Proceedings of the National Academy of Sciences USA*. 110: 1375-1380.
- Rosario, K, M Padilla-Rodriguez, S Kraberger, D Stainton, DP Martin, **M Breitbart**, A Varsani (2013). Discovery of a novel mastrevirus and alphasatellite-like circular DNA in dragonflies (Ephemeroptera) from Puerto Rico. *Virus Research*. 171: 231-237.
- Rosario, K, A Dayaram, M Marinov, J Ware, S Kraberger, D Stainton, **M Breitbart**, A Varsani (2012). Diverse circular single-stranded DNA viruses discovered in dragonflies (Odonata: Ephemeroptera). *Journal of General Virology*. 93: 2668-2681.
- Rosario, K, S Duffy, **M Breitbart** (2012). A field guide to eukaryotic circular single-stranded DNA viruses: Insights gained from metagenomics. *Archives of Virology*. 157: 1851-1871.
- Nitti, A, C Daniels, J Siefert, V Souza, D Hollander, **M Breitbart** (2012). Spatially resolved genomic, stable isotopic, and lipid analyses of a modern freshwater microbialite from Cuatro Ciénegas, Mexico. *Astrobiology*. 12: 685-698.
- Daniels, C. and **M. Breitbart** (2012). Bacterial communities associated with the ctenophores *Mnemiopsis leidyi* and *Beroe ovata*. *FEMS Microbiology Ecology*. 82: 90-101.
- Dwivedi, B, R Schmieder, DB Goldsmith, RA Edwards, **M Breitbart** (2012). PhiSiGns: an online tool to identify signature genes in phages and design PCR primers for examining phage diversity. *BMC Bioinformatics*. 13: 37.
- Breitbart, M** (2012). Marine viruses: truth or dare. *Annual Review of Marine Science*. 4: 425-448.
- Parsons, RJ, **M Breitbart**, MW Lomas, CA Carlson (2012). Ocean time-series reveals recurring seasonal patterns of virioplankton dynamics in the northwestern Sargasso Sea. *ISME Journal*, 6: 273-284.
- Goldsmith, DB, G Crosti, B Dwivedi, LD McDaniel, A Varsani, CA Suttle, MG Weinbauer, RA Sandaa, **M Breitbart** (2011). Development of *phoH* as a novel signature gene for assessing marine phage diversity. *Applied and Environmental Microbiology*. 77: 7730-7739.
- Rosario, K and **M Breitbart** (2011). Exploring the viral world through metagenomics. *Current Opinion in Virology*. 1: 289-297.
- Skennerton, CT, FE Angly, **M Breitbart**, L Bragg, S He, KD McMahon, P Hugenholtz, GW Tyson (2011). Phage encoded H-NS: A potential Achilles heel in the bacterial defence system. *PLoS ONE*. 6: e20095.
- Ng, TFF, D Willner, YW Lim, R Schmieder, B Chau, C Nilsson, S Anthony, Y Ruan, F Rohwer, **M Breitbart** (2011). Broad surveys of DNA viral diversity obtained through viral metagenomics of mosquitoes. *PLoS ONE*. 6: e20579.

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- Ng, TFF, S Duffy, JE Polston, E Bixby, GE Vallad, **M Breitbart** (2011). Exploring the diversity of DNA plant viruses and their satellites using vector-enabled metagenomics on whiteflies. *PLoS ONE*. 6: e19050.
- Rosario, K, M Marinov, D Stainton, S Kraberger, EJ Wiltshire, DA Collings, M Walters, DP Martin, **M Breitbart**, A Varsani (2011). Dragonfly cyclovirus, a novel single-stranded DNA virus discovered in dragonflies (Odonata: Anisoptera). *Journal of General Virology*. 92: 1302-1308.
- Ng, TFF, E Wheeler, D Greig, TB Waltzek, F Gulland, **M Breitbart** (2011). Metagenomic identification of a novel anellovirus in harbor seal (*Phoca vitulina richardsii*) lung samples and its detection in samples from multiple years. *Journal of General Virology*. 92: 1318-1323.
- Daniels, CA, A Zeifman, K Heym, KB Ritchie, CA Watson, I Berzins, **M Breitbart** (2011). Spatial heterogeneity in bacterial communities in the mucus of *Montastraea annularis*. *Marine Ecology Progress Series*. 426: 29-40.
- Sime-Ngando, T, S Lucas, A Robin, KP Tucker, J Colombet, Y Bettarel, E Desmond, S Gribaldo, P Forterre, **M Breitbart**, D Prangishvili (2011). Diversity of virus-host systems in hypersaline Lake Retba, Senegal. *Environmental Microbiology*. 13: 1956-1972.
- Tucker, KP, R Parsons, EM Symonds, **M Breitbart** (2011). Diversity and distribution of single-stranded DNA phages in the North Atlantic Ocean. *The ISME Journal*. 5: 822-830.
- Sharon, I, N Battchikova, E-M Aro, C Giglione, T Meinnel, F Glaser, RY Pinter, **M Breitbart**, F Rohwer, O Beja (2011). Comparative metagenomics of microbial traits within oceanic viral communities. *The ISME Journal*. 5: 1178-1190.
- Svraka, S, K Rosario, E Duizer, H van der Avoort, **M Breitbart**, M Koopmans (2010). Metagenomic sequencing for virus identification in a public health setting. *Journal of General Virology*. 91: 2846-2856.
- Aziz, RK, **M Breitbart**, RA Edwards (2010). Transposases are the most abundant, most ubiquitous genes in nature. *Nucleic Acids Research*. 38: 4207-4217.
- Rodriguez-Brito, B, L Li, L Wegley, M Furlan, F Angly, **M Breitbart**, J Buchanan, C Desnues, E Dinsdale, R Edwards, B Felts, D Willner, M Haynes, H Liu, D Lipson, J Mahaffy, A Martin-Cuadrado, A Mira, J Nulton, L Pasic, S Rayhawk, J Rodriguez-Mueller, F Rodriguez-Valera, P Salamon, S Srinagesh, TF Thingstad, T Tran, RV Thurber, M Youle, F Rohwer (2010). Viral and microbial community dynamics in four aquatic environments. *ISME Journal*. 4: 739-751.
- Rosario, K, EM Symonds, C Sinigalliano, J Stewart, **M Breitbart** (2009). *Pepper mild mottle virus* as an indicator of fecal pollution. *Applied and Environmental Microbiology*. 75: 7261-7267.
- Blinkova, O, K Rosario, L Li, A Kapoor, B Slikas, F Bernardin, **M Breitbart**, E Delwart (2009). Frequent detection of highly diverse *Cardiovirus*, *Cosavirus*, *Bocavirus*, and *Circovirus* in sewage samples collected in the United States. *Journal of Clinical Microbiology*. 47: 3507-3513.
- Angly, F, M Youle, B Nosrat, S Srinagesh, B Rodriguez-Brito, P McNairnie, G Deeyanat-Yzadi, **M Breitbart**, F Rohwer (2009). Genomic analysis of multiple Roseophage SIO1 strains. *Environmental Microbiology*. 11: 2863-2873.

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- Rosario, K, S Duffy, **M Breitbart** (2009). Diverse circovirus-like genome architectures revealed by environmental metagenomics. *Journal of General Virology*. 90: 2418 – 2424.
- Rosario, K, C Nilsson, YW Lim, Y Ruan, **M Breitbart** (2009). Metagenomic analysis of viruses in reclaimed water. *Environmental Microbiology*. 11: 2806-2820.
- Ng, TFF, W Suedmeyer, E Wheeler, F Gulland, **M Breitbart** (2009) Novel anellovirus discovered from a mortality event of captive California sea lions. *Journal of General Virology*. 90: 1256-1261.
- Thurber, RV, M Haynes, **M Breitbart**, L Wegley, F Rohwer (2009). Laboratory procedures to generate viral metagenomes. *Nature Protocols*. 4: 470-483.
- Ng, TFF, C Manire, K Borrowman, T Langer, L Ehrhart, **M Breitbart** (2009). Discovery of a novel single-stranded DNA virus from a sea turtle fibropapilloma by using viral metagenomics. *Journal of Virology*. 83: 2500-2509.
- Symonds, EM, DW Griffin, **M Breitbart** (2009). Eukaryotic viruses in wastewater samples from the United States. *Applied and Environmental Microbiology*. 75: 1402-1409.
- Breitbart, M**, A Hoare, A Nitti, M Haynes, E Dinsdale, R Edwards, J Siefert, V Souza, F Rohwer, D Hollander (2009). Metagenomic and stable isotopic analyses of modern freshwater microbialites in Cuatro Ciénegas, Mexico. *Environmental Microbiology*. 11: 16-34.
- McDaniel, L, **M Breitbart**, J Mobberley, A Long, M Haynes, F Rohwer, J Paul (2008). Metagenomic analysis of lysogeny in Tampa Bay: implications for prophage gene expression. *PLoS ONE*. 3: e3263.
- Breitbart, M**, M Haynes, S Kelley, F Angly, RA Edwards, B Felts, JM Mahaffy, J Mueller, J Nulton, S Rayhawk, B Rodriguez-Brito, P Salamon, F Rohwer (2008). Viral diversity and dynamics in an infant's gut. *Research in Microbiology*. 159: 367-373.
- Breitbart, M**, M Middelboe, F Rohwer (2008). Marine viruses: Community dynamics, diversity, and impact on microbial processes. In: Kirchman, D [ed]. *Microbial Ecology of the Oceans*, 2nd edition. John Wiley and Sons, Inc. Hoboken, New Jersey. pp. 443-479.
- Dinsdale, EA, RA Edwards, D Hall, F Angly, **M Breitbart**, JM Brulc, M Furlan, C Desnues, M Haynes, L Li, L McDaniel, MA Moran, KE Nelson, C Nilsson, R Olson, J Paul, B Rodriguez-Brito, Y Ruan, BK Swan, R Stevens, DL Valentine, R Vega-Thurber, L Wegley, BA White, F Rohwer (2008). Functional metagenomic profiling of nine biomes. *Nature*. 452: 629-633.
- Desnues, C, B Rodriguez-Brito, S Rayhawk, S Kelley, T Tran, M Haynes, H Liu, M Furlan, L Wegley, B Chau, Y Ruan, D Hall, FE Angly, RA Edwards, L Li, R Vega Thurber, RP Reid, J Siefert, V Souza, DL Valentine, BK Swan, **M Breitbart**, F Rohwer (2008). Biodiversity and biogeography of phages in modern stromatolites and thrombolites. *Nature*. 452: 340-343.
- Kunin, V, S He, F Warnecke, SB Peterson, H Garcia Martin, M Haynes, N Ivanova, LL Blackall, **M Breitbart**, F Rohwer, KD McMahon, P Hugenholtz (2008). A bacterial metapopulation adapts locally to phage predation despite global dispersal. *Genome Research*. 18: 293-297.
- Fierer, N, **M Breitbart**, J Nulton, P Salamon, C Lozupone, R Jones, M Robeson, RA Edwards, B Felts, S Rayhawk, R Knight, F Rohwer, RB Jackson (2007). Metagenomic and small-

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- subunit rRNA analyses reveal the genetic diversity of bacteria, archaea, fungi, and viruses in soil. *Applied and Environmental Microbiology*. 73: 7059-7066.
- Heinz Hoffmann, K, B Rodriguez-Brito, **M Breitbart**, D Bangor, F Angly, B Felts, J Nulton, F Rohwer, P Salamon (2007). Power law rank-abundance models for marine phage communities. *FEMS Microbiology Letters*. 273: 224-228.
- Breitbart, M**, LR Thompson, CA Suttle, MB Sullivan (2007). Exploring the vast diversity of marine viruses. *Oceanography*. 20: 135-139.
- Angly, FE, B Felts, **M Breitbart**, P Salamon, RA Edwards, C Carlson, AM Chan, M Haynes, S Kelley, H Liu, J Mahaffy, JE Mueller, J Nulton, R Olson, R Parsons, S Rayhawk, CA Suttle, F Rohwer (2006). The marine viromes of four oceanic regions. *PLoS Biology*. 4:e368.
- Casas, V, J Miyake, H Balsley, J Roark, S Telles, S Leeds, I Zurita, **M Breitbart**, D Bartlett, F Azam, F Rohwer (2006) Widespread occurrence of phage-encoded exotoxin genes in terrestrial and aquatic environments in Southern California. *FEMS Microbiology Letters*. 261: 141-149.
- Edwards, RA, B Rodriguez-Brito, L Wegley, M Haynes, **M Breitbart**, DM Peterson, MO Saar, S Alexander, EC Alexander Jr., F Rohwer (2006) Using pyrosequencing to shed light on deep mine microbial ecology under extreme hydrogeologic conditions. *BMC Genomics*. 7: 57.
- Zhang, T, **M Breitbart**, WH Lee, J-Q Run, CL Wei, SWL Soh, ML Hibberd, E Liu, F Rohwer, Y Ruan (2006) RNA viral community in human feces: Prevalence of plant pathogenic viruses. *PLoS Biology*. 4: e3.
- Yu, Y, **M Breitbart**, P McNairnie, F Rohwer (2006) FastGroupII: A web-based bioinformatics platform for analyses of large 16S rDNA libraries. *BMC Bioinformatics*. 7:57.
- Kline, D, NM Kuntz, **M Breitbart**, N Knowlton, F Rohwer (2006) Role of elevated organic carbon levels and microbial activity in coral mortality. *Marine Ecology Progress Series*. 314: 119-125.
- Breitbart, M**, and F Rohwer (2005) Method for discovering novel DNA viruses in blood using viral particle selection and shotgun sequencing. *Biotechniques*. 39: 729-736.
- Breitbart, M**, and F Rohwer (2005) Here a virus, there a virus, everywhere the same virus? *Trends in Microbiology*. 13: 278-284.
- Breitbart, M**, F Rohwer, ST Abedon (2005) Phage Ecology and Bacterial Pathogenesis. In: M Waldor, D Freedman, S Adhya (eds). *Phages: Their Role in Bacterial Pathogenesis and Biotechnology*. ASM Press. Washington D.C. pp. 66-91.
- Angly, F, B Rodriguez-Brito, D Bangor, P McNairnie, **M Breitbart**, P Salamon, B Felts, J Nulton, J Mahaffy, F Rohwer (2005) PHACCS, an online tool for estimating the structure and diversity of uncultured viral communities using metagenomic information. *BMC Bioinformatics*. 6:41.
- Breitbart, M**, R Bhagooli, S Griffin, I Johnston, F Rohwer (2005) Microbial communities associated with skeletal tumors on *Porites compressa*. *FEMS Microbiology Letters*. 243: 431-436.

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- Casas, V, D Kline, L Wegley, Y Yu, **M Breitbart**, F Rohwer (2004) Widespread association of a *Rickettsiales*-like bacterium with reef-building corals. *Environmental Microbiology*. 6: 1137-1148.
- Breitbart, M**, JH Miyake, F Rohwer (2004) Global distribution of nearly identical phage-encoded DNA sequences. *FEMS Microbiology Letters*. 236: 245-252.
- Breitbart, M**, B Felts, S Kelley, JM Mahaffy, J Nulton, P Salamon, F Rohwer (2004) Diversity and population structure of a nearshore marine sediment viral community. *Proceedings of the Royal Society B*. 271: 565-574.
- Breitbart, M**, L Wegley, S Leeds, T Schoenfeld, F Rohwer (2004) Phage community dynamics in hot springs. *Applied and Environmental Microbiology*. 70: 1633-1640.
- Wegley, L, Y Yu, **M Breitbart**, V Casas, D Kline, F Rohwer (2004) Coral-associated *Archaea*. *Marine Ecology Progress Series*. 273: 89-96.
- Breitbart, M**, I Hewson, B Felts, JM Mahaffy, J Nulton, P Salamon, F Rohwer. (2003) Metagenomic analyses of an uncultured viral community from human feces. *Journal of Bacteriology*. 185: 6220-6223.
- Mosier-Boss, PA, Lieberman, SH, Andrews, JM, Rohwer, F, Wegley, LE, and **M Breitbart** (2003) Use of fluorescently-labeled phage in the detection/identification of bacterial species. *Applied Spectroscopy*. 57: 1138-1144.
- Breitbart, M**, P Salamon, B Andresen, J Mahaffy, A Segall, D Mead, F Azam, F Rohwer (2002) Genomic analysis of uncultured marine viral communities. *Proceedings of the National Academy USA*. 99: 14250-14255.
- Rohwer, F, **M Breitbart**, J Jara, F Azam, N Knowlton (2001) Diversity of bacteria associated with the Caribbean coral *Montastraea franksi*. *Coral Reefs*. 20: 85-91.
- Rohwer, F, AM Segall, G Steward, V Seguritan, **M Breitbart**, F Wolven, F Azam (2000) The complete genomic sequence of the marine phage Roseophage SIO1 shares homology with non-marine phages. *Limnology and Oceanography*. 45: 408-418.