

## CURRICULUM VITAE

### Rainer M.W. Amon,

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### Education

Dr. rer. nat., Limnology/Ecology, Nostrification of Ph. D. by the University of Vienna 1996

Ph. D., Marine Science, University of Texas at Austin, USA 1995

Supervisor: Dr. Ronald Benner

Dissertation: Microbial and photochemical degradation of dissolved organic matter in aquatic ecosystems

M.S., Biology/Zoology (Marine Biology), University of Vienna, Austria 1990

Supervisor: Dr. Gerhard Herndl/Dr. Joerg Ott

Thesis: Feeding biology of *Holothuria Tubulosa* (*Holothurioida*, *Echinodermata*) and their importance for the sediment metabolism.

B.S., Biology, University of Vienna, Austria, 1986

### Professional experience

Program Director in the Office of Polar Programs at US National Science Foundation 2021-2024

Professor, Texas A&M University at Galveston, Marine Sciences 2015-present

Professor, Texas A&M University at College Station as joint appointment in the Oceanography Department 2015-present

Associate Professor, Texas A&M University at Galveston, Marine Sciences 2007 - 2015

Associate Professor, Texas A&M University at College Station as joint appointment in the Oceanography Department 2007 - 2015

Assistant Professor, Texas A&M University at Galveston, Marine Sciences 2003 - 2007

Assistant Professor, Texas A&M University at College Station as joint appointment in the Oceanography Department 2003 - 2007

Research scientist at the Alfred Wegener Institute, Germany 1999 - 2003

Postdoctoral fellow at the Alfred-Wegener-Institute, Germany 1996 - 1999

Postdoctoral fellow at the Univ. of Texas at Austin, 1995 - 1996

Doctoral student, University of Texas at Austin 1991 - 1995

Master Student, University of Vienna, Austria 1988 - 1990

### Scientific expertise

The role of aquatic organisms for the chemical composition of natural organic matter; characterization (source identification) of organic matter using elemental, isotope, optical, and molecular level analyses; biogeochemical fluxes of C and N in freshwater and marine ecosystems; global carbon cycle; watershed-river exchanges at high latitudes; Arctic Ocean carbon and freshwater cycles; climate change; source tracking of aquatic pathogens; anthropogenic pollution on ecosystem scales (oil spill, wastewater); Arctic Ocean oceanography, GHG fluxes in Siberian watersheds.

### Scientific expeditions

- April – June 1993, The Amazon River system, Research at the INPA, Manaus, Brazil
- July - October 1997, ARK XIII/3, Alfred-Wegener Institute, R/V Polarstern, Arctic Ocean, Fram Strait, Greenland Sea

- September - October 1998, ARK XIV/2b, Alfred Wegener Institute, R/V Polarstern, Nordic Seas, North Atlantic
- July – September 1999, Kara Sea 99, Alfred Wegener Institute, R/V Akademik Boris Petrov, southern Kara Sea and the estuaries of the rivers Ob and Yenisei, Russia
- April 2001, Rhine estuary, COMET EC-Project, RV Navicula, Netherlands
- June – October 2005, Beringia 2005 and AOS 2005, Icebreaker Oden, Arctic Ocean crossing.
- June and September 2010, Tracing the GOM oil spill, RV Cape Hatteras and MY Arctic Sunrise (Chief Scientist)
- July 2015, Sampling campaign in the Central Siberian Plateau, Yenisei watershed, Sukachev Institute of Forest, Krasnoyarsk and Tura, Russia
- August – September 2015, CIGOM XIXIMI-4, Southern Gulf of Mexico and Yucatan Strait, R/V Justos Sierra
- January 2016, CIGOM Glider test cruise, Northern Gulf of Mexico, R/V Acadiana
- June 2016, CIGOM DWDE1, Perdido region Gulf of Mexico, R/V Pelican
- July-August 2016, Gas flux cruise on the Yenisei River, Krasnoyarsk to Dudinka, Siberia, Russia
- October 2016, CIGOM DWDE 2, Perdido region Gulf of Mexico, R/V Pelican
- April 2017, CIGOM DWDE 3, Perdido region Gulf of Mexico, R/V Pelican
- August-September 2017, CIGOM XIXIMI-6, Southern Gulf of Mexico, Yucatan Strait, Northern Caribbean, R/V Justos Sierra
- May-June 2019, CIGOM XIXIMI-7, Southern Gulf of Mexico, Yucatan Strait, Northern Caribbean, R/V Justos Sierra
- August-October 2024, PS144, Central Arctic Ocean, German Research Icebreaker Polarstern

### **Teaching experience**

Aquatic Microbiology

Biolog. Oceanography – microbial ecology and biogeochemistry (1999-2003)

Introduction to Chemical Oceanography (every spring semester since 2003)

Introduction to Biological Oceanography (every fall semester since 2003)

Biological Oceanography Laboratory (every fall semester since 2018)

Modern Oceanographic Observational & Analysis Methods (2005-2008)

Special topics in Marine Sciences – graduate seminar (since 2003-2006)

Marine Sciences Seminar (since 2003)

Directed Studies in Marine Sciences (since 2003)

### **Service to the Department and University**

(only listed assignments over the most recent 4 years as an example of a typical annual service load at Texas A&M University.

#### *Departmental Committees*

Chair of tenure and promotion committee in Marine Sciences Department

Member of the advisory committee for the Oceanography Department

Member of the post tenure review committee in Marine Sciences Department

Space committee in Marine Sciences Department

Advisory committee in Marine Sciences Department

#### *University Committees*

Chair of the College Tenure and Promotion committee at Texas A&M University, Galveston Campus

Member of the TAMUG honor council committee

Ricker Award nominating committee

Scholarship and award committee

Member of the Association of Former Students (AFS) Awards Committee

### **Service to the scientific community and wider public**

#### Agencies:

Typically, I review 4-8 research grant proposal for US and foreign national science foundations.

Austrian Science Foundation, UK Natural Environment Research Council, US National Science Foundation, Netherlands Org. for Scientific Research, Earth and Life Sciences, FONDECYT - Chilean National Science Foundation, CALFED, American Chemical Society-Petroleum Research Fund, NASA, Canadian International Polar Year Federal Program, Estonian Science Foundation, CONACYT, Mexican National Research Foundation, Alfred Wegener Institute – Arctic Research Programs; Finish Academy of Science, NSF panel: served on review panel for the Arctic Natural Sciences Program – Office for Polar Programs in 2008 and 2021; Program Director at the National Science Foundation from July 2021 to July 2024.

#### Journals:

Typically, I review 15-20 journal manuscripts during the year, including the following Journals. Limnology and Oceanography, Deep Sea Research, Archiv für Hydrobiologie, Journal of Phytoplankton Research, American Journal of Science, Marine Ecology Progress Series, Nature, Aquatic Microbial Ecology, Canadian Journal of Fisheries and Aquatic Sciences, Marine Chemistry, Microbial Ecology, Geophysical Research Letters, Estuaries, Aquatic Ecology, Tellus, Aquatic Sciences, Hydrobiologia, Chemistry and Ecology, Journal of Geophysical Research, Geochimica et Cosmochimica Acta, Progress in Oceanography, Organic Geochemistry, Applied Geochemistry, Science of the Total Environment, Environmental Science and Technology, Environmental Science and Pollution Research, Biogeosciences, Analytical Chemistry, Journal for Coastal Research, Ocean Dynamics, Water, Global Biogeochemical Cycles, Journal of Marine Systems, Estuarine, Coastal, and Shelf Sciences, PNAS, Nature Geosciences, Optics Express, Nature Communications, Science Advances, PLOS1, Frontiers (Marine Sciences),

Editorial Board Member for *WATER*, a MDPI open access Journal: 2018-2021

#### International scientific community:

Organized a data workshop at the International Study Center – Santa Chiara of Texas A&M University in Italy to discuss results from the Arctic Ocean Section 2005 expedition with 26 participants from Finland, Sweden, Germany, Canada, and USA.

Member of NSF delegation to discuss bilateral research collaborations between the US and Sweden in the Arctic Ocean, Sigtuna, Sweden, 2015

Invited session chair at the 2019 annual meeting of the Association of the Sciences of Limnology and Oceanography (ASLO) in San Juan, PR, USA. Dissolved Organic Matter - DOC, DON, DOP, fDOM, cDOM

Session organizer/co-convenor at the Association of the Sciences of Limnology and Oceanography (ASLO) June 2021 virtual meeting. SS08 Carbon fluxes in a changing Arctic across physical, chemical and microbial scales.

Outreach: Initiated newspaper series, “Science on the Island” where undergraduate students write short newspaper articles to describe research projects at Texas A&M University

Faculty Affiliate of the Texas Center for Climate Studies

#### **Fellowships and awards**

Theodor-Körner-Preis (Austrian Science Award), 1990

Fulbright Fellowship, 1991

Fulbright Fellowship, 1992

J. C. Barton Fellowship, 1993 (University of Texas, Marine Science Institute)

E.J. Lund Fellowship, 1994 (University of Texas, Marine Science Institute)

International Research Travel Assistance Grant (Texas A&M University) 2004 (US\$ 2,500)

Pathways to the Doctorate Award (Texas A&M System) 2006 (US\$30,000)

Faculty Development Leave - CICESE, Ensenada, Mexico and Krasnoyarsk, Siberia, Russia; June 2017 - January 2018

#### **Extramural Funding**

- Isolation and Characterization of Dissolved organic matter in Seawater. German-USA cooperation grant funded by the DAAD and NSF, 1997 -1999 (Co-PI – € 6000 to Amon)

- Siberian river run-off: Composition and transformation of dissolved organic matter (DOM) and nutrients in the Kara Sea; funded by the German Ministry of Science and Technology (BMBF), August 1, 1999 – July 31, 2003. (Co-PI – € 254,100 to Amon)
- Composition of dissolved organic matter and its interaction with metals and ultraviolet radiation in river-ocean systems: impact on the microbial food web; funded by the European Community, May 1, 2000 – March 30, 2003 (Co-PI – € 267,175 to Amon)
- Biogeochemical tracers in Arctic rivers: Linking the Pan-Arctic watershed to the Arctic Ocean - subcontract, Funded by the NSF, January 2003 – 2007 (Co-PI – US\$ 40,000 to Amon).
- Tracing biogeochemical fluxes and water mass exchanges on the Eurasian shelves, Funded by NSF, October 2004 – 2007 (PI – US\$325,000)
- Acquisition of instruments to facilitate and enhance research projects and undergraduate education in aquatic environmental biogeochemistry at TAMUG, Funded by NSF, August 2005 (PI – US\$75,000)
- Acquisition of instrumentation to facilitate and enhance research projects and undergraduate and graduate education in chemistry and environmental chemistry at TAMUG, Funded by NSF, July 2006 (Co-PI – US\$95,000)
- Population dynamics and origin of *E. coli* in Houston Bayous, Texas Commission of Environmental Quality, 2007 - 2010 (Co-PI – US\$ 694,000)
- Collaborative research: Chromophoric dissolved organic matter (CDOM) and lignin phenols as tracers of water masses and biogeochemical processes in the Arctic Ocean, NSF 2007 – 2012 (PI – US\$ 450,000)
- Acquisition of a GC/MS triple quadrupole for the characterization of terrestrial plant biomarker in complex environmental media at TAMUG. Funded by NSF 2010-2011 (Co-PI -150,700)
- Acquisition of an Autonomous Underwater Glider to investigate mixing and dispersion of oil-gas mixtures; funded by NSF 2010-2013 (Co-PI – 199,000)
- Locating a CDX Pilot Plant on the TAMUG Campus and establishing a relationship for Scholarship, Interns, and Teaching (PI on contract for 52,000) – Cameron International 2014-2015
- CIGOM: Hydrocarbon Fund: Study of Oceanography and Evaluation of Oil Spill Scenarios (PI on subcontract for US\$ 985,000) – SENER/Conacyt (Mexican Research Foundation) 2015-2020
- Sensitivity of carbon fluxes in the land-atmosphere-hydrosphere system of the Yenisei River catchment to climate variability (co-PI – US\$ 43,000) – Russian Science Foundation 2014-2017
- Development of a high sensitivity, low sample volume method to quantify lignin phenols as geochemical and water mass tracer in the open ocean (co-PI – 256,841), NSF-OCE Chemical Oceanography 2016-2018
- Collaborative research: Does dissolved organic matter influence the concentrations and distributions of trace elements in the Arctic Ocean? (PI – 399,600) NSF-PLR Arctic Natural Sciences 2015-2019
- Estimating fluxes of CO<sub>2</sub> and CH<sub>4</sub> along the Siberian Yensei River (PI – 49,457) NSF-PLR Arctic Natural Sciences 2016-2017

#### **Internal Texas A&M University funding to expand analytical capabilities in PI lab**

US\$ 485,000 for epifluorescence microscope, spectrophotometer, DOC analyzer, Spectrofluorometer, Picarro water isotope analyzer 2130-i, Picarro CO<sub>2</sub> and CH<sub>4</sub> analyzer G2201-i, Picarro peripherals, PCs, Milli-Q systems

#### **Professional societies**

Association for the Sciences of Limnology and Oceanography  
 American Geophysical Union  
 European Geophysical Union

#### **Publications in peer reviewed Journals**

- Molodtsov\*, S., A. Anis, R.M.W. Amon, T. Meunier, P. Perez-Brunius, J. Sheinbaum, J. Candela. (2024). Glider-based microstructure measurements of enhanced diapycnal mixing along the continental slope of the western Gulf of Mexico. *Ocean-Land-Atmosphere Research*, SPJ. DOI: 10.34133/olar.0064
- Tank, S.E., McClelland, J.W., Spencer, R.G.M., Shiklomanov, A.I., Suslova, A., Moatar, F., Amon, R.M.W., Cooper, L.W., Elias, G., Gordeev, V.V., Guay, C., Gurtovaya, T.Y., Kosmenko, L.S., Mutter, E.A., Peterson, B.J., Peucker-Ehrenbrink, B., Raymond, P.A., Schuster, P.F., Scott, L., Staples, R., Striegl, R.G., Tretiakov, M., Zhulidov, A.V., Zimov, N., Zimov, S., Holmes, R.M. (2023). Recent trends in the

- chemistry of major northern rivers signal widespread Arctic change. *Nat. Geosci.* **16**, 789–796 (2023). <https://doi.org/10.1038/s41561-023-01247-7>
- Amon, R.M.W., J. Ochoa, J. Candela, S.Z. Herzka, P. Pérez-Brunius, J. Sheinbaum, V.F. Camacho Ibar, J.-C. Herguera, M. Hernández Ayon, R.M. Key, S. Molodtsov\*. (2023). Ventilation of the deep Gulf of Mexico and potential insights to the Atlantic Meridional Overturning Circulation. *Sci. Adv.* **9**, eade1685. DOI:10.1126/sciadv.ade1685
- Molodtsov\*, S., Anis, A., Li, D., Korets, M., Panov, A., Prokushkin, A., Yvon-Lewis, S. and Amon, R.M.W. (2022), Estimation of gas exchange coefficients from observations on the Yenisei River, Russia. *Limnol Oceanogr Methods*, **20**: 781-788. <https://doi.org/10.1002/lom3.10519>
- Williford\*, T., Amon, R. M. W., Kaiser, K., Benner, R., Stedmon, C., Bauch, D., et al. (2022). Spatial complexity in dissolved organic matter and trace elements driven by hydrography and freshwater input across the Arctic Ocean during 2015 Arctic GEOTRACES expeditions. *Journal of Geophysical Research: Oceans*, **127**, e2022JC018917. <https://doi.org/10.1029/2022JC018917>
- Stedmon, C. A., Amon, R. M. W., Bauch, D., Bracher, A., Gonçalves-Araujo, R., Hoppmann, M., et al. (2021). Insights into water mass origins in the central Arctic Ocean from in-situ dissolved organic matter fluorescence. *Journal of Geophysical Research: Oceans*, **126**, e2021JC017407. <https://doi.org/10.1029/2021JC017407>
- Hansell, Dennis A.; Carlson, C.A.; Amon, R.M.W.; Álvarez-Salgado, X. Antón; Yamashita, Youhei; Romera-Castillo, Cristina; Bif, Mariana B. (2021). Compilation of dissolved organic matter (DOM) data obtained from the global ocean surveys from 1994 to 2020 (NCEI Accession 0227166). NOAA National Centers for Environmental Information. Dataset. [doi.org/10.25921/s4f4-ye35](https://doi.org/10.25921/s4f4-ye35)
- Massicotte, P., Amon, R.M.W., Antoine, D., Archambault, P., Balzano, S., Bélanger, S., Benner, R., Boeuf, D., Bricaud, A., Bruyant, F., Chaillou, G., Chami, M., Charrière, B., Chen, J., Claustre, H., Coupel, P., Delsaut, N., Doxaran, D., Ehn, J., Fichot, C., Forget, M.-H., Fu, P., Gagnon, J., Garcia, N., Gasser, B., Ghiglione, J.-F., Gorsky, G., Gosselin, M., Gourvil, P., Gratton, Y., Guillot, P., Heipieper, H. J., Heussner, S., Hooker, S. B., Huot, Y., Jeanthon, C., Jeffrey, W., Joux, F., Kawamura, K., Lansard, B., Leymarie, E., Link, H., Lovejoy, C., Marec, C., Marie, D., Martin, J., Massé, G., Matsuoka, A., McKague, V., Mignot, A., Miller, W. L., Miquel, J.-C., Mucci, A., Ono, K., Ortega-Retuerta, E., Panagiotopoulos, C., Papakyriakou, T., Picheral, M., Piepenburg, D., Prieur, L., Raimbault, P., Ras, J., Reynolds, R. A., Rochon, A., Rontani, J.-F., Schmechtig, C., Schmidt, S., Sempéré, R., Shen, Y., Song, G., Stramski, D., Stroud, G., D., Tachibana, E., Thirouard, A., Tolosa, I., Tremblay, J.-É., Vaïtilingom, M., Vaultier, D., Vaultier, F., Volkman, J. K., Vonk, J. E., Xie, H., Zheng, G., and Babin, M.: The Malina oceanographic expedition: How do changes in ice cover, permafrost and UV radiation impact biodiversity and biogeochemical fluxes in the Arctic Ocean?, *Earth Syst. Sci. Data Discuss.* [preprint], <https://doi.org/10.5194/essd-2020-252>, in press, 2021.
- Williford\*, Tatiana, Rainer M.W. Amon, Ronald Benner, Karl Kaiser, Dorothea Bauch, Colin Stedmon, Ge Yan, Sally A. Walker\*, Michiel Rutgers van der Loeff, Maarten B. Klunder. (2021). Insights into the origins, molecular characteristics and distribution of iron-binding ligands in the Arctic Ocean. *Marine Chemistry*, <https://doi.org/10.1016/j.marchem.2021.103936>
- Ochoa J., V. Ferreira, J. Candela, J. Sheinbaum, M. López, P. Pérez -Brunius, S. Herzka, R.M.W. Amon, (2021). Last decade warming in the abyssal Gulf of Mexico. *Journal of Physical Oceanography*, DOI: <https://doi.org/10.1175/JPO-D-19-0295.1>
- Molodtsov\*, S., Anis, A., Amon, R. M. W., & Perez-Brunius, P. (2020). Turbulent mixing in a Loop Current Eddy from glider-based microstructure observations. *Geophysical Research Letters*, **47**, e2020GL088033. <https://doi.org/10.1029/2020GL088033>
- Charette, M. A., Kipp, L. E., Jensen, L.T., Dabrowski, J. S., Whitmore, L. M., Fitzsimmons, J. N., et al. (2020). The Transpolar Drift as a source of riverine and shelf-derived trace elements to the central Arctic Ocean. *Journal of Geophysical Research: Oceans*, **125**, e2019JC015920. <https://doi.org/10.1029/2019JC015920>
- Prokushkin, A.S., O.S. Pokrovsky, M.A. Korets, A.V. Rubtsov, S.V. Titov, I.V. Tokareva, R.A. Kolosov, R.M.W. Amon (2018), Sources of Dissolved Organic Carbon in Rivers of the Yenisei River Basin, *Doklady Earth Sciences*, **480/2**, 764–767
- Kaiser K., M. Canedo-Oropeza, R. McMahon & R. M. W. Amon (2017), Origins and transformations of dissolved organic matter in large Arctic rivers, *Scientific Reports* **7**, Article Number: 13064, doi:10.1038/s41598-017-12729-1

- Kaiser, K., R. Benner, and R.M.W. Amon (2017), The fate of terrigenous dissolved organic carbon on the Eurasian shelves and export to the North Atlantic, *J. Geophys. Res. Oceans*, 122, 4–22, doi:10.1002/2016JC012380.
- Amon, RMW, (2016) Carbon cycle: Ocean dissolved organics matter. *Nature Geoscience* **9**, 864–865
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- Abbott B.W., J.B. Jones, E.A.G. Schuur et al. (2016). Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. *Environ. Res. Lett.* 11 (2016) doi:10.1088/1748-9326/11/3/034014
- Fichot CG, Benner R, Kaiser K, Shen Y, Amon RMW, Ogawa H and Lu C-J (2016) Predicting Dissolved Lignin Phenol Concentrations in the Coastal Ocean from Chromophoric Dissolved Organic Matter (CDOM) Absorption Coefficients. *Front. Mar. Sci.* 3:7. doi: 10.3389/fmars.2016.00007
- Qu F., C.C. Nunnally, J.R. Lemanski, T.L. Wade, R.M.W. Amon, G.T. Rowe. (2016) Polychaete Annelid (segmented worms) Abundance and Species Composition in the Proximity (6 to 9 km) of the Deep Water Horizon (DWH) Oil Spill in the Deep Gulf of Mexico. *Deep-Sea Res. II* (2016), <http://dx.doi.org/10.1016/j.dsr2.2015.04.020i>
- Crespo-Medina, M., C. D. Meilel, K. S. Hunter, A.-R. Diercks, V. L. Asper, J. P., Orphan, P. L. Tavormina, L.M. Nigro, L.M., J.J. Battles, J.P. Chanton, A.M. Shiller, D.-J. Joung, R. M. W. Amon, A. Bracco, J. P. Montoya, T. A. Villareal, A. M. Wood, and S. B. Joye (2015). Addendum: The rise and fall of methanotrophy following a deepwater oil-well blowout. *Nature Geoscience* **8/6**, 490–490
- Myers-Pigg, A.N., P. Louchouart, R.M.W. Amon, A. Prokushkin, K. Pierce, and A. Rubtsov (2015), Labile pyrogenic dissolved organic carbon in major Siberian Arctic rivers: Implications for wildfire-stream metabolic linkages, *Geophys. Res. Lett.*, 42, doi:10.1002/2014GL062762
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- Duan\*, S., R.M.W. Amon, R. L. Brinkmeyer (2014). Tracing sources of organic matter in adjacent urban streams having different degrees of channel modification. [\*Science of The Total Environment\*: 485–486](#), Pages 252–262; DOI: 10.1016/j.scitotenv.2014.03.066
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- Walker\* S.A., R.M.W. Amon, C. Stedmon (2013), Variations in high latitude chromophoric dissolved organic matter (CDOM): A comparison of large Arctic Rivers, *J. Geophys. Res: Biogeosciences*, 118, doi:10.1002/2013JG002320.
- Fichot, C. G., K. Kaiser, S. B. Hooker, R. M. W. Amon, M. Babin, S. Bélanger, S. A. Walker\*, and Ronald Benner (2013). Pan-Arctic distributions of continental runoff in the Arctic Ocean. *Sci. Rep. Scientific Reports* **3**, Article number: 1053 doi:10.1038/srep01053
- Granskog, M. A., C. A. Stedmon, P. A. Dodd, R. M. W. Amon, A. K. Pavlov, L. de Steur, and E. Hansen (2012), Characteristics of colored dissolved organic matter (CDOM) in the Arctic outflow in the Fram Strait: Assessing the changes and fate of terrigenous CDOM in the Arctic Ocean, *J. Geophys. Res.*, 117, C12021, doi:10.1029/2012JC008075
- Amon RMW, A.J. Rinehart\*, S. Duan, P. Louchouart, P. Raymond, R.M. Holmes, J.W. McClelland, BJ Peterson, G. Guggenberger, A. Prokushkin, C. Stedmon, S.A. Walker\*. (2012). Dissolved organic matter sources in large Arctic rivers. *GCA* 94: 217-237: doi:10.1016/j.gca.2012.07.015
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- Duan\*, S.W., R. Amon, T. S. Bianchi and P. H. Santschi (2011). Temperature Control on Soluble Reactive Phosphorus in the Lower Mississippi River? *Estuaries and Coasts* 34 (1): 78–89.
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- Louchouart P., R.M.W. Amon, S. Duan\*, C. Pondell, S.M. Seward, and N. White. (2010). Analysis of lignin-derived phenols in standard reference materials and dissolved organic matter by gas chromatography/tandem mass spectrometry. *Marine Chemistry*. Vol. 118, 85–97.
- Walker\*, S. A., R. M. W. Amon, et al. (2009). "The use of PARAFAC modeling to trace terrestrial dissolved organic matter and fingerprint water masses in coastal Canadian Arctic surface waters." *J. Geophys. Res.* **114**: doi:10.1029/2009jg000990.
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- Amon, RMW & R Benner, 1994: Rapid cycling of high-molecular-weight dissolved organic matter in the ocean. **Nature**. 369:549-552
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- Amon, RMW & GJ Herndl, 1991: Deposit feeding and sediment II. Decomposition of fecal pellets of *Holothuria tubulosa* (Holothuroida, Echinodermata). **P.S.Z.N.I.: Marine Ecology**, 12 (2): 175-184.

### Book chapters

- Amon, RMW, K. Kaiser, A. Engel, (2024). Dissolved organic matter in the Arctic Ocean. In: Biogeochemistry of Marine Dissolved Organic Matter, 3rd edition. **Academic Press**. 693-737
- Anderson L., RMW Amon (2015). Dissolved organic matter in the Arctic Ocean. In: Biogeochemistry of Marine Dissolved Organic Matter, 2nd edition. **Elsevier**
- Amon R.M.W. The role of dissolved organic matter for the Arctic Ocean carbon cycle. 2004. In: The Arctic Ocean Organic Carbon Cycle: Present and Past (R. Stein and R. W. Macdonald). Pp 83-99, **Springer**
- Amon, RMW, 2002. The Biogeochemistry of dissolved organic matter in aquatic ecosystems - An overview. In: The Vienna school of Marine Biology - A tribute to Jörg Ott: 1-19

### Reports

- Amon, R.M.W., 2005: A river runs through it: Dissolved organic matter in the Arctic Ocean. **Swedish Polar Research Secretariat Yearbook** 2005: 85-86
- Amon, R.M.W. & H. Koehler, 2000: Distribution of surface water salinity. **Reports on Polar Research**: 360: 20-22
- Amon, R.M.W. & H. Koehler, 2000: Geochemistry of dissolved organic matter. **Reports on Polar Research**: 360: 70-73
- Amon, R.M.W. & A. Spitzky, 1999: Distribution of dissolved organic carbon during estuarine mixing in the southern Kara Sea. **Reports on Polar Research**: 300: 102-109
- Amon, R.M.W. & P. Louchouart, 1999: Dissolved organic matter (DOM in the Nordic Seas. **Reports on Polar Research**: 326: 84-85

### Invited Lectures and Seminars

- Amon, R.M.W., Changes in the Deep Gulf of Mexico and Connections to the Labrador Sea – Insights from the CIGOM Program. Seminar in the Department of Earth and Environmental Sciences at the University of Pennsylvania, USA, October 9, 2020.
- Amon, R.M.W., Changes in the Deep Gulf of Mexico and Connections to the Labrador Sea – Insights from the CIGOM Program. Seminar in the Department of Oceanography, Texas A&M University, College Station, USA, September 14, 2020.
- Amon, RMW, Overview of the distribution of dissolved organic matter in Arctic Ocean surface waters and how it relates to trace elements. Presentation at the GEOTRACES Pan-Arctic Synthesis Workshop held during the Ocean Sciences Meeting, San Diego, CA; 16-Feb-2020.

### Conference presentations

2020



- Williford, Tatiana, Rainer MW Amon, Ronald H Benner, Karl Kaiser, Dorothea Bauch, Colin A Stedmon, Sally A. Walker, Michiel Rutgers van der Loeff, Maarten Klunder, Ge Yan. Insights into the origins, molecular characteristics and distribution of iron-binding ligands in the Arctic Ocean, OS036-0010, AGU Fall meeting, 1-17 December, 2020.
- Molodtsov, Sergey, Ayal Anis, Rainer MW Amon, Paula Perez-Brunius, Estimation of heat and salt fluxes in a Loop Current Eddy using microstructure glider-based observations, OS017-03, AGU Fall meeting, 1-17 December, 2020.
- Tamalavage, Annie, David Brankovits, Peter J. van Hengstum, Patrick Louchouart, Rainer MW Amon, Jessica M. Labonté. Biogeochemical cycling of Particulate Organic Matter within two stratified coastal sinkholes, GC050-05. AGU Fall meeting, 1-17 December, 2020.
- Prokushkin A.S., R.A. Kolosov, A.G. Georgiadi, R.M.W. Amon. Carbon fluxes in Yenisei River: spatial patterns and temporal variation. "International Conference on the Status and Future of World's Large Rivers" Moscow/Russia, *postponed due to Covid-19*
- Amon, Rainer MW, Jose Ochoa, Julio Candela, Juan Carlos Herguera, Paula Pérez Brunius, Sharon Herzka, Julio Sheinbaum Pardo, Martin Hernandez Ayon, Víctor F. Camacho Ibar, Robert M. Key. Novel insights into deep ventilation of the Gulf of Mexico and its linkage to the Labrador Sea, Ocean Science Meeting 2020, San Diego, February 2020

## 2019

- Amon, RMW, J.C. Herguera, P. Pérez Brunius, S. Herzka, J. Sheinbaum Pardo, J. Ochoa, J. Candela, M. Hernandez Ayon, V. Camacho. Insights into the deep circulation of the Gulf of Mexico based on new DIC radiocarbon depth profiles, hydrography and volume transport estimates, ASLO meeting, San Juan, Puerto Rico, 25. February - 2. March, 2019
- Molotsova T., RMW Amon. Carbon and Freshwater Fluxes in the Arctic: new methods and insights from large Siberian watersheds to the Central Arctic Ocean. Invited talk at the Arctic and Antarctic Research Institute in St. Petersburg, Russia, August 2019
- Molodtsov S. RMW Amon. Greenhouse Gas fluxes along the Yenisei River. Invited talk at the Arctic and Antarctic Research Institute in St. Petersburg, Russia, August 2019
- Amon, R.M.W., A. Anis, S. Molodtsov, A. Prokushkin, S. Yvon-Lewis, T. Li, A. Panov, G. Guggenberger, I. Solnyshkin. Greenhouse gas concentrations, isotopic composition, and corresponding gas fluxes along the Siberian River, Yenisei. Forest Ecosystems of the Boreal Zone: Biodiversity, Bioeconomy, Ecological Risks. Krasnoyarsk, Russia, 26–31 August 2019
- Molodtsov S., A. Anis, R.M.W Amon, A. Prokushkin, S. Yvon-Lewis, T. Li, A. Panov, G. Guggenberger, I. Solnyshkin. Forest Ecosystems of the Boreal Zone: Biodiversity, Bioeconomy, Ecological Risks. Krasnoyarsk, Russia, 26–31 August 2019
- Molodtsova, T., R.M.W. Amon, R. Benner, D. Bauch, K. Kaiser, G. Yan. Tracing Freshwater in the Arctic Ocean. Arctic Futures 2050 Conference, 4–6 September 2019, Washington, D.C.

## 2018

- Amon, RMW, J.C. Herguera, P. Pérez Brunius, S. Herzka, J. Sheinbaum Pardo, J. Ochoa, J. Candela. Insights into the deep circulation of the Gulf of Mexico based on new DIC radiocarbon depth profiles, hydrography and volume transport estimates, Annual meeting of the Mexican Geophysical Union, Puerto Vallarta, Mexico, 29. October - 3. November, 2018
- Molodtsov, S, A Anis, RMW Amon, P Perez-Brunius. Turbulent mixing in a Loop Current Eddy from glider-based microstructure observations, presented at the Annual meeting of the Mexican Geophysical Union, Puerto Vallarta, Mexico, 29. October - 3. November, 2018
- Prokushkin A., A. Panov, V. Zyryanov<sup>1</sup>, J.Karlsson, R.M.W. Amon, W. H. McDowell (2018). Dissolved carbon in runoff of larch dominated catchments of Central Siberia. IBFRA 2018, IIASA-Laxenburg, September 2018.
- Amon, RMW, A Anis, S Molodtsov, AS Prokushkin, SA Yvon-Lewis, D. Li, A Panov, G Guggenberger, I Solnyshkin. Gas exchange coefficients, GHG concentrations and isotopic composition, and corresponding gas fluxes along the Siberian River, Yenisei. presented at 2018 ASLO Meeting, Vancouver, Canada, 10-15 June.
- Molodtsov\*, S, A Anis, RMW Amon, S. F. DiMarco, P. Perez-Brunius, Glider based turbulence observations in Gulf of Mexico presented at the European Geophysical Union Meeting, Vienna, Austria, 8-13 April.

- Kaiser K, RH Benner, G Yan, RMW Amon, Pan-Arctic distribution and reactivity of terrigenous dissolved organic carbon in Arctic watersheds and the Arctic Ocean [HE24B-2877] presented at 2018 Ocean Sciences Meeting, Portland, OR, 12-16 Feb.
- Amon, RMW, A Anis, G Guggenberger, S Molodtsov, A Panov, AS Prokushkin, I Solnyshkin, and SA Yvon-Lewis, Concentrations, Isotopic Composition and Fluxes of CO<sub>2</sub> and CH<sub>4</sub> in one of the Largest Siberian River Systems, the Yenisei, [BN51A-06] presented at 2018 Ocean Sciences Meeting, Portland, OR, 12-16 Feb.
- Molodtsova\*, T., RMW Amon, RH Benner, K. Kaiser, D. Bauch and G. Yan, Relationships between Dissolved Organic Matter, Hydrography, and Trace Elements in the Makarov and Canada Basin of the Arctic Ocean, [CT44A-1351] presented at 2018 Ocean Sciences Meeting, Portland, OR, 12-16 Feb.
- Molodtsov\*, S, D Li, A Anis, RMW Amon, A Panov, AS Prokushkin and SA Yvon-Lewis, Estimation of Gas Exchange Coefficients from Observations on Yenisei River, [AI34E-1693] presented at 2018 Ocean Sciences Meeting, Portland, OR, 12-16 Feb.
- Yan, G, K Kaiser and RMW Amon, Application of a Novel Ultra-Low-Volume Lignin Analysis Method to Study the Removal and Transport of Terrigenous Dissolved Organic Carbon in the Arctic Ocean, [HE24B-2878] presented at 2018 Ocean Sciences Meeting, Portland, OR, 12-16 Feb.

## 2017

- Molodtsov\*, S., A. Anis, R M W Amon, P. Perez-Brunius. Glider based turbulence measurements in the Gulf of Mexico [OS31A-1390], presented at 2017 Fall Meeting, AGU, New Orleans, LA, 11-15 Dec.
- Amon, RMW, K. Aagaard, L. Anderson, R Benner, R. Newton, J. Swift, K. Kaiser. The hydrography of CDOM in the Arctic Ocean: Implications for the carbon and freshwater cycle. ASLO, February 2017, Honolulu, USA
- Molodtsova\*, T., R.M.W. Amon, K. Kaiser, C. Stedmon, S. Walker. Relationships between dissolved organic matter, hydrography, and trace elements in the Eurasian Arctic Ocean. ASLO, February 2017, Honolulu, USA
- Kaiser, K., R. Benner, R.M.W. Amon. The fate of terrigenous dissolved organic carbon on the Eurasian shelves and export to the North Atlantic. EGU, April 2017, Vienna, Austria

## 2016

- Molodtsova\*, T., R.M.W. Amon. Optical sensing of Terrestrial Organic Matter across the Eastern and Central Arctic Ocean. AGU, San Francisco, December 2016
- Kaiser, K., R. Benner, R.M.W. Amon. The fate of terrestrial dissolved organic matter in the Eurasian basin of the Arctic Ocean. Ocean Science Meeting 2016, New Orleans, February 2016
- Canedo-Oropeza, M.F., K. Kaiser, R.M.W. Amon. Investigating the Chemical Composition and Bioavailability of Arctic River Dissolved Organic Matter (DOM) Using Biomarkers. Ocean Science Meeting 2016, New Orleans, February 2016

## 2015

- Amon, RMW. The use of terrigenous dissolved organic matter to trace water masses in the Arctic Ocean, June 19, 2015, CICESE, Ensenada, Mexico (invited)
- Amon, RMW. Tracing terrigenous dissolved organic matter in Arctic watersheds and Ocean. Lower Yenisei Observation Workshop, July 18-22, 2015, Russia

## 2014

- Amon, RMW. Carbon fluxes in large Siberian watersheds, December 10, 2014, Sukachev Institute of Forest, Krasnoyarsk, Russia
- Amon, RMW. The distribution of carbon and freshwater in the Arctic Ocean, December 12, 2014, Sukachev Institute of Forest, Krasnoyarsk, Russia
- Benner, R.; Amon, R.; The Size-Reactivity Continuum Of Major Bioelements In The Ocean. Ocean Sciences Meeting, 2014, Hawaii (Abstract Id: 14793)
- Walker\*, S. A.; Amon, R. M.; Stedmon, C. A.; Variations In High Latitude Fluorescent Dissolved Organic Matter: A Comparison Of Large Arctic Rivers. Ocean Sciences Meeting, 2014, Hawaii (Abstract Id: 15079)
- McMahon, R. M.; Kaiser, K.; Amon, R.; Investigating The Bioavailability Of Organic Carbon In Arctic River Watersheds. Ocean Sciences Meeting, 2014, Hawaii (Abstract Id: 16227)

- Louchouart, P.; Myers-Pigg, A. N.; Amon, R. M.; Prokushkin, A.; Teisserenc, R.; A Tale Of Fire And Water: Fate Of Dissolved Low Temperature Pyc In Sub-Tropical To Boreal Aquatic Environments. Ocean Sciences Meeting, 2014, Hawaii (Abstract Id: 16915)
- Kaiser, K.; Amon, R.; Benner, R.; Chemical Characteristics And Decomposition Of Dissolved Organic Matter (Dom) In The Eurasian Basin Of The Arctic Ocean. Ocean Sciences Meeting, 2014, Hawaii (Abstract Id: 16976)

### 2013

- Amon, R.M.W. Tracing dissolved organic matter and Freshwater in the Arctic Region. International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria, 2013. Invited.
- Amon, R.M.W. Tracing dissolved organic matter and Freshwater in the Arctic Region. University of Vienna, Department for Oceanography and Limnology, Vienna, Austria, 2013
- Amon, R.M.W., S. Walker\*, A. Prokushkin, G. Guggenberger. Dissolved organic matter sources in large Arctic rivers. European Geophysical Union (EGU), Vienna, Austria, 2013
- Walker\*, S.A., R.M.W. Amon, C.A. Stedmon. Variations in High Latitude Chromophoric Dissolved Organic Matter (CDOM): A Comparison of Large Arctic Rivers, Gordon Research Conference - Polar Marine Sciences, Ventura, CA, 2013
- Myers-Pigg, A. N., P. Louchouart, R.M.W. Amon, K. Peirce, and A. Prokushkin. Implications For Significant Loss Of Labile Pyrogenic DOC in Major Arctic Rivers. Geochemical Society of America, Denver, CO 2013
- Amon, R.M.W., R.L. Brinkmeyer, S. Duan\*, D. Cunningham. Sources of organic matter and nutrients in urban watersheds of Houston, Marine Sciences/Marine Biology Seminar, TAMUG

### 2012

- Amon, R.M.W., R. Benner. Tracing dissolved organic carbon from the Arctic watersheds to the Arctic Ocean. ASLO-OSM meeting, Salt Lake City, March 2012 (invited).
- Walker\*, S.A., R.M.W. Amon, C.A. Stedmon. Seasonal changes in the optical properties of dissolved organic matter (DOM) in large Arctic Rivers. ASLO-OSM meeting, Salt Lake City, March 2012

### 2011

- Walker\*, S.A., R.M.W. Amon, S. Smith\*, C.A. Stedmon. The fate of chromophoric dissolved organic matter (CDOM) and runoff distributions in the upper arctic ocean, AGU, San Francisco, December 2011
- Duan\*, S., S. Kaushal, R.M.W. Amon, R.L. Brinkmeyer. Land-use Effect on Stream Organic Matter Composition in Two Metropolitan Areas in USA. AGU, San Francisco, December 2011.

### 2010

- Amon, R.M.W., S.A. Walker\*, P. Louchouart, S. Duan\*, R. Benner, K. Kaiser, C. Stedmon. The use of river water tracers to improve our understanding of surface ventilation in the Arctic Ocean, ASLO-OSM meeting, Portland, February 2010
- Stedmon, C., R.M.W. Amon, A.J. Rinehart\*, R.M. Holmes, J.W. McClelland, B.J. Peterson, S.A. Walker\*,. Characterising and tracing dissolved organic matter inputs from six major Arctic Rivers to the Arctic Ocean, ASLO-OSM meeting, Portland, February 2010
- Walker\*, S.A., R.M.W. Amon, C. Stedmon. Organic Matter Fluorescence as a tool for Tracing Water Mass Origins and Circulation in the Arctic Ocean, ASLO-OSM meeting, Portland, February 2010
- Brinkmeyer, R.L., R.M.W. Amon, S. Duan\*, J. Schwarz. Population dynamics of E. coli bacteria in two Houston, Texas urban watersheds and their impact on water quality in Galveston Bay. ASLO-OSM meeting, Portland, February 2010

### 2009

- Amon, R.M.W. The use of river water tracers to improve our understanding of surface ventilation in the Arctic Ocean. Gordon Research Conference - Polar Marine Sciences, Lucca, Italy, 2009. (invited)
- Stedmon, C.A., R.M.W. Amon, A.J. Rinehart\*, R.M. Holmes, J.W. McClelland, B.J. Peterson, and S.A. Walker\*. Characterising the chemical signature of dissolved organic matter inputs from Arctic rivers. Gordon Research Conference - Polar Marine Sciences, Lucca, Italy, 2009
- Walker\*, S.A., R.M.W. Amon, C.A. Stedmon. Organic Matter Fluorescence as a tool for Tracing Water Mass Origins and Circulation in the Arctic Ocean. Gordon Research Conference - Polar Marine Sciences, Lucca, Italy, 2009

## 2008

- Walker\*, S.A., R.M.W. Amon, C. Stedmon. Organic Matter Fluorescence as a tool for Tracing Water Mass Origins and Circulation in the Arctic Ocean. AGU- Chapman Conference on Organic Matter Fluorescence, Birmingham, UK.
- Amon, R.M.W., S. A. Walker\*, S. Duan\*, C. Stedmon. CDOM across the Arctic Ocean. Ocean Sciences Meeting, Orlando, 2008
- McClelland, J. M., Holmes, R. M., Peterson, B. J., Amon, R., Brabets, T., Cooper, L., Crump, B., Gibson, J., Guay, C., Raymond, P., Striegl, R. Zhulidov, A., Zimov, S. The Partners Data Set: Highlights From An Extraordinary Field Program Encompassing The Six Largest Rivers In The Pan-Arctic Watershed. Ocean Sciences Meeting, Orlando, 2008.
- Crump, B. C., Peterson, B. J., Raymond, P. A., Amon, R. M. W., Rinehart\*, A., McClelland, J. W. Holmes, R. M., Circumpolar Synchrony In Big River Bacterioplankton. International conference on Polar and Alpine Microbiology, Banff, Canada, 2008

## 2007

- Amon R.M.W., A.J. Rinehart\*, B.J. Peterson, R.M. Holmes, J. McClelland. Biogeochemistry of Arctic river DOM - linking our understanding of watershed processes to the Arctic Ocean. ERF meeting, Providence, RI, USA (invited)

## 2006

- Amon R. M.W. The biogeochemistry of Arctic river dissolved organic matter - linking our understanding of watershed processes to the Arctic Ocean. Biogeomon 2006 - *5th International Symposium on Ecosystem Behavior*, University of California Santa Cruz, California, USA (invited).
- Rinehart\*, A.J., R.M.W. Amon. Seasonal dynamic of dissolved organic matter composition in the 6 largest Arctic rivers. Biogeomon 2006 - *5th International Symposium on Ecosystem Behavior*, University of California Santa Cruz, California, USA
- Dagg M., Ammerman J., Amon R., Gardner W., Green R., Lohrenz S. Water column processes influencing hypoxia in the northern Gulf of Mexico, EPA/NOAA Symposium on Hypoxia in the Northern Gulf of Mexico-Assessing the State of the Science, New Orleans, April 2006 (invited).
- Amon, R.M.W. Biogeochemistry and environmental change in the Arctic Ocean. Seminar at the Bigelow Laboratory for Ocean Sciences, March 2006 (invited).
- Amon, R.M.W., R. Benner, G. Budeus, J. Swift, D. Quadfasel, B. Rudels, G. Björk, W. Schneider. Dissolved organic matter as a tracer in the Arctic Ocean, EGU – General Assembly, Vienna, 2006

## 2005

- Björk G., K. Aagaard, R.M.W. Amon, L. Anderson, S. Becker, L. Girard, E. Jeansson, M. C. Johnson, P. Jones, S. Jutterström, A. E.B. Lindberg, L. Mintrop, R. Newton, R. Palomares, D. Quadfasel, E. Quiroz, L. Rainville, A. Rinehart, B. Rudels, J. H. Swift, T. Tanhua, P. Winsor, F. Zemlyak, AOS-2005: A CTD/hydrographic/tracer section across the Arctic Ocean, AGU, San Francisco, 2005
- Amon, R.M.W. and R. Benner, The biogeochemistry of DOM in the arctic ocean and implications for our understanding of the system, ASLO, Salt Lake City, 2005
- Amon, R.M.W. Seminar at the University of Texas Marine Science Institute (invited)

## 2004

- Amon, R.M.W., B. Meon\*, The biogeochemistry of dissolved organic matter and nutrients in two large Arctic estuaries and potential implications for our understanding of the Arctic Ocean system, AGU, San Francisco, 2004
- Amon, R.M.W. Seminar at Tulane University, New Orleans (invited).
- Amon, R.M.W. Seminar at Texas A&M University in College Station (invited).

## 2003

- Amon, R.M.W., B. Meon\*. Missing organic carbon in the coastal Kara Sea: Is coastal erosion a significant source? SEARCH open science meeting, Seattle, October 2003
- Amon, R.M.W. A river runs through it – DOM in the Arctic Ocean. New approaches in marine organic biogeochemistry. Friday Harbor Laboratories, Seattle, August 2003 (invited).

Amon, R.M.W., B. Meon\*, R. Benner: "A river runs through it": land - ocean exchange of DOM in the Arctic Ocean, ASLO, Salt Lake City, USA, 2003

\*Amon's graduate students and postdocs

### **Collaborators over the last 5 years**

Dr. Kaiser (TAMUG)

Dr. Anis (TAMUG)

Dr. Dennis Hansell (RMAS)

Dr. Ron Benner (University of South Carolina, USA)

Dr. Colin Stedmon (Danish National Environmental Research Institute, Denmark)

Dr. Michiel Rutgers van der Loeff (Alfred Wegener Institute, Bremerhaven, Germany)

Dr. Georg Guggenberger (Leibnitz University Hannover, Germany)

Dr. Alexey Panov (Sukachev Institute of Forest SB RAS, Russia)

Dr. Anatoly Prokushkin (Sukachev Institute of Forest SB RAS, Russia)

Dr. Dorothea Bauch (University Of Kiel, Germany)

Dr. Dmitry Schepaschenko (IIASA, Laxenburg, Austria)

Dr. Sharon Herzka (CICESE, Ensenada, Mexico)

Dr. Juan Carlos Herguera (CICESE, Ensenada, Mexico)

Dr. Paula Perez-Brunius (CICESE, Ensenada, Mexico)

Dr. Julio Sheinbaum (CICESE, Ensenada, Mexico)

Dr. Shari Yvon-Lewis (Texas A&M University)

Dr. Julio Candela (CICESE, Ensenada, Mexico)

Dr. Jose Ochoa (CICESE, Ensenada, Mexico)

Dr. Robert Key (Princeton University)

Dr. Victor F. Camacho Ibar (UABC, Ensenada, Mexico)

Dr. Martin Hernández Ayon (UABC, Ensenada, Mexico)

Dr. Matthew Charette, (WHOI)

Dr. Philippe Massicotte, (Université Laval, Canada)

### **Graduate and postdoctoral advisors**

Dr. Gerhard Herndl (M.S.), University of Vienna, Austria

Dr. Ron Benner (Ph.D.), Department of Biology, University of South Carolina, USA

Dr. Victor Smetacek, Alfred Wegener Institute, Germany

### **Postgraduate-Scholar sponsor**

Dr. Ruediger Roettgers

Dr. Benedikt Meon, Institute for Biogeochemistry and Marine Chemistry, University of Hamburg

Dr. Shuiwang Duan 2005 - 2009

### **Graduate students**

Amanda Rinehart (2003 - 2007)

Sally Walker (2007 - 2012)

Michael Evans (2012 - 2013)

Ryan Bare (Co-Chair; 2012-2014)

Anthony Todd (2014 - 2016)

Tatiana Williford (Chair, 2015-2021)

Sergey Molodtsov (Co-Chair; 2015-2021)

Fu-Lung Chiou (Chair; 2018-2020)

Timothy Chomiak (Chair 2021-)

### **Graduate student committees**

Kim Roberts (member)

Chen Xu (member)

Allison Skinner (member)

Li Shen (member)

Sepp Haukebo (member)

Li Hsiu-Ping (member)

Li Shen (member)

Sedat Cam (member)

Fahad Al Senafi (member)

Danielle Creeley (member)

Maria Caneda Oropeza (member)

Allison Myers-Pigg (member)

Amanda Sterne (member)

Laramie Jensen (member)

Laura Leonard (member)

**Undergraduate students (directed studies)**

Lori Ortega	Jacky Cook (REU)
Ross Jones	Stephanie Smith (REU)
Dominique Cowart	Kayla Albright
Michelle Spinelli	Derek Cunningham
Cameron Duncan	Chris Isom
Sally Walker	Kelsi Isom
Morgan John	Emmanuel Vasquez Gonzalez
Cherry Plouf	Suzanne Tenison
Crystal Pearce	Randall Cory Teague
Annie Whitley (REU)	Gari Zinsmeyer
Christie Hominik (REU)	Amanda Ceming-Barbato
Jody Wrightson	Brittany Daniels
Kerestin Goodmann (REU)	Timothy Chomiak

REU: NSF funded program for “research experience for undergraduates”

This CV submitted is most current and correct as of the date of this signature.

Signature:



Date: September 13, 2024