

<b>Name</b>	<b>Robert F. Spielhagen</b>
<b>Position</b>	Research scientist
<b>Affiliation</b>	GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany
<b>Higher education</b>	<ul style="list-style-type: none"> <li>• <b>1990</b> PhD in Geology, Kiel University, thesis on Quaternary ice drift in the Fram Strait</li> <li>• <b>1986</b> Diploma (Geology/Paleontology), Kiel University, thesis on Tertiary rocks on Svalbard</li> </ul>
<b>Academic career</b>	<ul style="list-style-type: none"> <li>• <b>2016 - present</b> Senior Researcher, GEOMAR Kiel, Arctic paleoceanography</li> <li>• <b>2003-2015</b> Senior Researcher, Academy of Sciences Mainz &amp; GEOMAR Kiel, Arctic paleoceanography</li> <li>• <b>1990-2002</b> Post-Doc/Senior Researcher, GEOMAR Kiel, Arctic paleoceanography</li> </ul>
<b>Teaching activities</b>	<ul style="list-style-type: none"> <li>• <b>2016 - present</b> Invited Lecturer, POMOR Russian-German Master Studies, St. Petersburg University, Russia</li> <li>• <b>2003 - present</b> Invited opponent at PhD defenses, Universities of Bergen and Tromsø, Norway</li> <li>• <b>1998 - present</b> Invited lecturer, University Centre on Svalbard (UNIS), Longyearbyen, Norway</li> </ul>
<b>Research and development projects during the past 5 years</b>	Environmental and climate history off Northeast Greenland; Quaternary history of the Central Arctic Ocean; Laptev Sea System
<b>Significant publications during the past 5 years</b>	<p>Selected publications from overall ~100</p> <p><b>Spielhagen R.F.</b>, Bauch H.A., 2015. <i>The role of Arctic Ocean freshwater during the past 200 ky</i>. <i>Arktos</i>. Doi: 10.1007/s41063-015-0013-9</p> <p><b>Spielhagen, R.F.</b>, 2012. <i>Hotspots in the Arctic: Natural archives as an early warning system for global warming</i>. <i>Geology</i> 40 (11), 1055–1056, doi: 10.1130/focus112012.1</p> <p>Aagaard-Sørensen, S., Husum, K., Werner, K., <b>Spielhagen, R.F.</b>, Hald, M., Marchitto, T.M., 2014. A Late glacial-early Holocene multiproxy record, Fram Strait, Polar North Atlantic. <i>Mar. Geol.</i> 355, 15–26.</p> <p>Cronin, T.M., Dwyer, G.S., Farmer, J., Bauch, H.A., <b>Spielhagen, R.F.</b>, Jakobsson, M., Nilsson, J., Briggs, W.M.Jr., Stepanova, A., 2012. <i>Arctic Ocean warming and halocline deepening during the last glacial cycle</i>. <i>Nature Geoscience</i> 5 (9), 631-634. doi: 10.1038/ngeo1557.</p> <p>Pados T., <b>Spielhagen R.F.</b>, Bauch D., Meyer H., Segl M., 2015. <i>Oxygen and carbon isotope composition of modern planktic foraminifera and near-surface waters in the Fram Strait (Arctic Ocean) – A case-study</i>. <i>Biogeosciences</i> 12, 1733–1752, doi:10.5194/bg-12-1733-2015.</p> <p>Telesiński, M.M., Bauch, H.A., <b>Spielhagen, R.F.</b>, Kandiano, E.S., 2015. Evolution of the central Nordic Seas over the last 20 thousand years. <i>Quat. Sci. Rev.</i> 121,</p>

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	<p>98–109. doi:10.1016/j.quascirev.2015.05.013.</p> <p>Telesiński, M.M., <b>Spielhagen, R.F.</b>, Bauch, H.A., 2014. <i>Water mass evolution of the Greenland Sea since lateglacial times</i>. <i>Clim. Past</i> 10, 123–136. doi:10.5194/cp-10-123-2014</p> <p>Werner, K., Müller, J., Husum, K., <b>Spielhagen, R.F.</b>, Kandiano, E.S., Polyak, L., 2016. Holocene sea subsurface and surface water masses in the Fram Strait – Comparisons of temperature and sea-ice reconstructions. <i>Quat. Sci. Rev.</i> 147, 194-209. doi:10.1016/j.quascirev.2015.09.007</p> <p>Werner, K., <b>Spielhagen, R.F.</b>, Hass, H.C., Bauch, D., Kandiano, E., Struve, T., 2013. <i>Atlantic Water advection versus sea ice advances in the eastern Fram Strait during the last 9 ka – multiproxy evidence for a two-phase Holocene</i>. <i>Paleoceanography</i>, 28, 283-295, <a href="http://dx.doi.org/10.1002/palo.20028">http://dx.doi.org/10.1002/palo.20028</a>.</p>
<p><b>Activities in scientific organizations and associations during the past 5 years</b></p>	<ul style="list-style-type: none"> <li>• <b>1991 - present</b> Reviewer for many scientific journals (incl. Nature, Science, Nature Geoscience) and for foreign funding organisations</li> <li>• <b>2004-2013</b> Steering Committee Member APEX ("Arctic Paleoclimate and its Extremes"), Int. Arctic Science Committee</li> <li>• <b>2006 - present</b> Section Editor Geosciences of the journal "Polar Research" (Taylor &amp; Francis Publishing)</li> </ul>