

LIST OF PUBLICATIONS OF NIKOLAY OSKOLKOV

- 1) Zaher Elbeck, Mohammad Bakhtiar Hossain, Humam Siga, **Nikolay Oskolkov**, Fredrik Karlsson, Julia Lindgren, Anna Walentinsson, Cristobal Dos Remedios, Dominique Koppenhöfer, Rebecca Jarvis, Roland Bürli, Tanguy Jamier, Elske Franssen, Mike Firth, Andrea Degasperi, Claus Bendtsen, Jan Dudek, Michael Kohlhaas, Alexander G. Nickel, Lars H. Lund, Christoph Maack, Ákos Végvári, Christer Betsholtz, Epigenetic modulators link mitochondrial redox homeostasis to cardiac function in a sex-dependent manner. *Nature Communications* **2024**, 15, 2358. <https://doi.org/10.1038/s41467-024-46384-8>
- 2) Bergfeldt N, Kırdök E, **Oskolkov N**, Mirabello C, Unneberg P, Malmström H, Fraser M, Sanchez-Quinto F, Jorgensen R, Skar B, Lidén K, Jakobsson M, Storå J, Götherström A. Identification of microbial pathogens in Neolithic Scandinavian humans. *Scientific Reports* **2024** Mar 7;14(1):5630. <https://doi.org/10.1038/s41598-024-56096-0>
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- 4) Marianne Dehasque, Hernán E. Morales, David Díez del Molino, Patricia Pečnerová, J. Camilo Chacón-Duque, Foteini Kanellidou, Héloïse Muller, Valerii Plotnikov, Albert Protopopov, Alexei Tikhonov, Pavel Nikolskiy, Gleb K. Danilov, Maddalena Gianni, Laura van der Sluis, Tom Higham, Peter D. Heintzman, **Nikolay Oskolkov**, M. Thomas P. Gilbert, Anders Götherström, Tom van der Valk, Sergey Vartanyan, Love Dalén, Temporal dynamics of woolly mammoth genome erosion prior to extinction, *Cell* **2024**, Jun 17:S0092-8674(24)00577-4. <https://doi.org/10.1016/j.cell.2024.05.033>
- 5) Tina Rönn, Alexander Perfilyev, **Nikolay Oskolkov*** and Charlotte Ling*, Predicting type 2 diabetes via Machine Learning integration of multiple Omics from human pancreatic islets, *Scientific Reports* **2024**, Jun 25;14(1):14637. <https://doi.org/10.1038/s41598-024-64846-3>
- 6) Zoé Pochon, Nora Bergfeldt, Emrah Kırdök, Mário Vicente, Thijessen Naidoo, Tom van der Valk, N. Ezgi Altınışık, Maja Krzewińska, Love Dalen, Anders Götherström, Claudio Mirabello*, Per Unneberg* and **Nikolay Oskolkov***, aMeta: an accurate and memory-efficient ancient Metagenomic profiling workflow, *Genome Biology* **2023**, 24, 242, <https://doi.org/10.1186/s13059-023-03083-9>
- 7) **Nikolay Oskolkov**, Anna Sandionigi, Anders Göterström, Fabiana Canini, Benedetta Turchetti, Laura Zucconi, Tanja Mimmo, Pietro Buzzini and Luigimaria Borruso, Unravelling the ancient fungal DNA from the Iceman's gut, under review in *PNAS* **2023**.
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 - 13) Kristoffer Ström*, **Nikolay Oskolkov***, Tugce Karaderi et al. Genetic variation at RAB3GAP2 and its role in exercise-related adaptation and recovery, under review in *Nature Metabolism* **2023**, PREPRINT v.1 available at Research Square [<https://doi.org/10.21203/rs.3.rs-701652/v1>]
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 - 15) **Nikolay Oskolkov**, Dimensionality Reduction section, Applied Data Science in Tourism: Interdisciplinary Approaches, Methodologies, and Applications, Editor: Roman Egger, 151-167, *Springer* **2022**
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* shared authorship