

Carter J. Wilson

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Education

Ph.D., Biophysics	University of Göttingen, Germany	2023 – 2026
M.Sc., Applied Mathematics	Western University, Canada	2021 – 2023
B.Sc., Biochemistry & Applied Mathematics	Western University, Canada	2016 – 2021

Experience

Ph.D. student researcher	CBDRG (at MPI-NAT)	2023 –
Visting M.Sc. student	CBDRG	2022 – 2023
Graduate research assistant	SoftSimu group (at Western U.)	2021 – 2023

Awards and funding

Canadian Graduate Scholarship	\$ 120,000 CAD	NSERC	2025 – 2027
Michael Smith Foreign Study Award	\$ 6,000 CAD	NSERC	2022
Western Graduate Research Scholarship	\$ 53,000 CAD	Western University	2021 – 2022
Betty Spencer Scholarship	\$ 15,000 CAD	Western University	2022
Canadian Graduate Scholarship	\$ 27,000 CAD	NSERC	2021
Western Gold Medal		Western University	2021

Publications [^{*} = equal contribution]

1. P. *Huang, R. *Venskutonyte, C. J. *Wilson, *et al.*, *Nat. Commun.* **16** (2025).
2. M. *Kalutskii, C. J. *Wilson, H. Grubmüller, *et al.*, *bioRxiv* (2025).
3. S. Behera, D. Hahn, C. J. Wilson, *et al.*, *J. Chem. Inf. Model.* **65**, 6927–6938 (2025).
4. C. J. Wilson, V. Gapsys, B. L. de Groot, *J. Chem. Theory. Comput.* **21**, 4095–4106 (2025).
5. B. Rutledge, C. J. Wilson, R. M. Lau, *et al.*, *bioRxiv* (2025).
6. C. J. Wilson, B. L. de Groot, V. Gapsys, *J. Comput. Chem.* **121**, 1444–1455 (2024).
7. P. Huang, H. *Åbacka, C. J. *Wilson, *et al.*, *PNAS* **121**, e2319682121 (2024).
8. C. J. Wilson, M. Karttunen, B. L. de Groot, *et al.*, *J. Chem. Theory. Comput.* **19**, 7833–7845 (2023).
9. A. *Salem, C. J. *Wilson, B. S. Rutledge, *et al.*, *Front. Mol. Biosci.* **8** (2022).
10. C. J. Wilson, W.-Y. Choy, M. Karttunen, *Int. J. Mol. Sci.* **23**, 4591 (2022).
11. M. *Chang, C. J. *Wilson, N. C. Karunatileke, *et al.*, *J. Chem. Theory. Comput.* **17**, 3145–3156 (2021).
12. C. J. Wilson, M. Chang, M. Karttunen, *et al.*, *Int. J. Mol. Sci.* **22**, 5408 (2021).

Book chapters

1. L. *Schmidt, C. J. *Wilson, S. Behera, *et al.*, in *To be released* (ChemRxiv, 2025).
2. S. Behera, C. J. Wilson, L. Schmidt, *et al.*, in *Comprehensive Biophysics* (Academic Press, ed. 2, 2025).

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