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On the geometry of demixing: A study of lipid phase separation on curved surfaces

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List of publications

In this thesis:

1. P. Fonda, **M. Rinaldin**, D. J. Kraft and L. Giomi, Thermodynamic equilibrium of binary mixtures on curved surfaces, *Phys. Rev. E* **2019**, 100, 032604 (Chapter 4).
2. **M. Rinaldin***, R. W. Verweij*, I. Chakraborty, D. J. Kraft, Colloidal supported lipid bilayers for self-assembly, *Soft Matter* **2019**, 15 (6), 1345-1360 (Chapter 2).
3. P. Fonda, **M. Rinaldin**, D. J. Kraft and L. Giomi, Interface geometry of binary mixtures on curved substrates, *Phys. Rev. E* **2018**, 98, 032801 (Chapter 4).
4. **M. Rinaldin***, P. Fonda*, L. Giomi and D. J. Kraft, Geometric pinning and antimixing in scaffolded lipid vesicles, *arXiv* **2018**, 1804.08596 (Chapter 3).
5. **M. Rinaldin**, P. Fonda, L. Giomi and D. J. Kraft, Geometric pinning in curved scaffolds connected to a reservoir, *in preparation* (Chapter 5).
6. **M. Rinaldin**, B. ten Haaf, J. Salaris, E. J. Vegter, C. van der Wel, L. Giomi and D. J. Kraft, Supported lipid bilayers on 3D micro-printed scaffolds and their applications, *in preparation* (Chapter 6).

Other:

1. W. Pomp, **M. Rinaldin** and T. Schmidt, Inducing phase separation in GUVs by light, *in preparation*.

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