

Visual Exploration, Analysis, and Communication of Physiological Processes

Supplementary Application Material for Dirk Bartz Prize for Visual Computing in Medicine and Life Sciences 2023

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We include the following supplementary material in our Dirk Bartz Prize Application 2023:

Individual articles and associated repositories for application code and empirical data:

- a. Physiology STAR (Paper A) [<https://doi.org/10.1111/cgf.14575>]
 - i. Literature Visual Explorer Repository:
<https://github.com/lauragarrison87/star.web>
 - ii. BibChips Repository for Physiology STAR Bibliography Styling:
<https://github.com/lauragarrison87/BibChips>
- b. SpectraMosaic (Paper B) [<https://doi.org/10.1016/j.cag.2020.08.001>]
 - i. Repository: <https://github.com/mmiv-center/spectramosaic-public>
Certified through Graphics Replicability Stamp Initiative
- c. DimLift (Paper C) [<https://doi.org/10.1109/TVCG.2021.3057519>]
 - i. Repository: <https://github.com/lauragarrison87/DimLift>
Certified through Graphics Replicability Stamp Initiative
- d. Communication Survey (Paper D) [<https://doi.org/10.2312/vcbm.20211339>]
 - i. Repository: https://github.com/lauragarrison87/Biomedical_Process_Vis
 - ii. Tableau Visual Library:
<https://public.tableau.com/app/profile/biomedsurvey2021>
- e. Molecular Colors (Paper E) [<https://doi.org/10.1515/jib-2022-0016>]
 - i. Supplementary material with open-source article at <https://www.degruyter.com/document/doi/10.1515/jib-2022-0016/html> and attached as .zip file in this package [**molecularcolors_supp.zip**]