1163-F1-1531   **Orsola Capovilla-Searle*** (`ocapovilla@gmail.com`), Duamrh, NC 27701. *Obstructions of exact Lagrangian cobordisms of Legendrian links.* Preliminary report.

Topological links are smooth embeddings of disjoint copies of circle into the 3-sphere, are considered equivalent up to smooth isotopy. Legendrian links Λ in $(\mathbf{R}^3, ker(dz - ydx))$ are topological links that satisfy the additional geometric condition that their tangent vector lies on the contact structure, that is $T_p\Lambda \subset ker(dz - ydx)$ for any $p \in \Lambda$. In the category of Legendrian links exact Lagrangian cobordisms correspond to morphisms, and many Legendrian invariants are functorial in this category. We have new obstructions to the existence of embedded and immersed exact Lagrangian cobordisms. This is joint work with Legout, Limouzineau, Murphy, Pan, and Traynor. (Received September 15, 2020)