Yu Pan*, 77 Massachusetts ave, Cambridge, MA 02139, and Dan Rutherford. All the augmentations come from immersed Lagrangian fillings.

Augmentations are tightly connected to embedded exact Lagrangian fillings. However, not all the augmentations of a Legendrian knot come from embedded exact Lagrangian fillings. In this talk, we show that all the augmentations come from possibly immersed exact Lagrangian fillings. In particular, for a 1-dimensional Legendrian knot in a 1-jet space, take an immersed exact Lagrangian filling that can be lifted to an embedded Legendrian L. For any augmentation of L, we associate an induced augmentation of the Legendrian knot, whose homotopy class only depends on the compactly supported Legendrian isotopy type of L and the homotopy class of its augmentation. This is a joint work with Dan Rutherford in progress. (Received July 13, 2019)