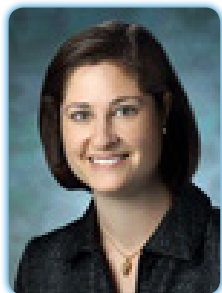


# International Conference on Eye Disorders and Treatment

July 13-15, 2015 Baltimore, USA



## Mary Beth Aronow

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### Advances in prognostication for Uveal melanoma

Uveal melanoma is the most common primary intraocular malignancy in adults. Despite improvements in diagnosis and local tumor control using eye-sparing techniques, a commensurate improvement in mortality has not been observed. This current situation underlines the need for effective methods to predict and address metastatic disease. Prognostication for metastatic risk has evolved over the past two decades. Initial studies focused on clinical and histopathologic risk factors. More recently, prognostication has been based upon tumor cytogenetics and gene expression profiling. Our laboratory has extensive experience with FISH-based prognostication of uveal melanoma. Data regarding the use of this technique will be presented. As techniques have evolved, there are now commercially available assays for assessment of metastatic risk. As these technologies continue to improve the ultimate goals are to understand the underlying molecular mechanisms that impart metastatic potential and to develop targeted therapies.

### Biography

Mary Beth Aronow is an Assistant Professor of Ophthalmology at the Wilmer Eye Institute at Johns Hopkins. She specializes in the medical and surgical management of adult and pediatric eye tumors. She received her Medical Degree from Yale University School of Medicine following an Internship in Internal Medicine at Brigham and Women's Hospital in Boston. She has completed her Ophthalmology Residency at the Cole Eye Institute at the Cleveland Clinic. She then completed Subspecialty Fellowship Training in Ophthalmic Oncology at the Cole Eye Institute and as well as an additional Fellowship in Medical Retina at the National Eye Institute, National Institutes of Health.

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