

Kris Noel Dahl, Associate Professor

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The research of Professor Kris Noel Dahl is focused on the structural and rheological properties of the cellular nucleus and cytoskeleton. In deciphering the structural and mechanical elements of the cell's nucleus, she adds needed insight into the roles of epigenetic regulation, stem cell differentiation, aging pathologies, and cancer progression and metastases. The integration of the cytoskeleton and nucleus provides a unique perspective into mechanical transmission of forces that influence genome expression.

Over the years Professor Dahl's research has spanned molecular, organelle, cellular, and multicellular length scales, using a combination of spectroscopic, imaging, biophysical, and computational approaches. Prof. Dahl's group has received funding from the NIH, Progeria Research Foundation, DOD, and NSF including an NSF CAREER award.

