
LORRAINE PILLUS

CV

SCIENTIFIC LEADER AT:

50 YEARS OF HISTONE ACETYLTATION

BARCELONA CONFERENCES ON
EPIGENETICS AND CANCER



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Lorraine Pillus, Professor and Chair at [University of California San Diego](http://www.ucsd.edu), California, USA

Member of the UCSD Moores Cancer Center, she trained in cell biology and epigenetics at MIT and UC Berkeley. Since its establishment, her lab has focused on identifying and characterizing genes that mediate transcriptional regulation and DNA repair through chromatin functions. The lab has contributed to the initial identification of the deeply conserved MYST family of lysine acetyltransferases, the Sirtuin family of NAD-dependent deacetylases and SET-domain containing proteins that function as methyltransferases. Current studies are grounded in longstanding interest in the essential roles of chromatin modifications, remodelers, and the interactions between these activities. The lab's studies capitalize on classic genetic suppression analysis and extend through the use of genomic and proteomic resources developed in the yeast community. Because the proteins under study are deeply conserved, the progress they make in understanding their mechanisms of action will be significant in understanding the corresponding human proteins and their contributions to development and disease.

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