



## Dennis J Bua

Associate Director, Medical Scientist Training Program, School of Medicine - IDP's - MSTP

### Bio

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#### HONORS AND AWARDS

- University of California Leadership Certificate, University of California, Santa Barbara (2003)
- Post-baccalaureate Research Education Program (PREP) Scholarship, National Institutes of Health (2004)
- Minority Biomedical Research Support (MBRS) Research Initiative for Scientific Enhancement (RISE), National Institutes of Health (2004-2006)
- Sally Casanova California Pre-Doctoral Scholarship, California State University (2005)
- Research Supplements to Promote Diversity in Health-Related Research, National Institutes of Health (2007-2009)
- Carl Storm Underrepresented Minority Fellowship, Gordon Research Conferences (2009)
- DARE (Diversifying Academia, Recruiting Excellence) Doctoral Fellowship, Stanford University (2010-2012)

#### LINKS

- LinkedIn Profile: <https://www.linkedin.com/in/dennisjbua>

### Publications

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#### PUBLICATIONS

- **Tissue-Specific cis-Regulatory Divergence Implicates *eloF* in Inhibiting Interspecies Mating in *Drosophila*.** *Current biology : CB*  
Combs, P. A., Krupp, J. J., Khosla, N. M., Bua, D., Petrov, D. A., Levine, J. D., Fraser, H. B.  
2018
- **Nuclear phosphatidylinositol-5-phosphate regulates *ING2* stability at discrete chromatin targets in response to DNA damage.** *Scientific reports*  
Bua, D. J., Martin, G. M., Binda, O., Gozani, O.  
2013; 3: 2137-?
- **Structure-activity relationships of methyl-lysine reader antagonists** *MEDCHEMCOMM*  
Herold, J. M., James, L. I., Korboukh, V. K., Gao, C., Coil, K. E., Bua, D. J., Norris, J. L., Kireev, D. B., Brown, P. J., Jin, J., Janzen, W. P., Gozani, O., Frye, et al  
2012; 3 (1): 45-51
- ***SIRT6* is required for maintenance of telomere position effect in human cells** *NATURE COMMUNICATIONS*  
Tennen, R. I., Bua, D. J., Wright, W. E., Chua, K. F.  
2011; 2
- **Trimethylation of histone H3 lysine 4 impairs methylation of histone H3 lysine 9 Regulation of lysine methyltransferases by physical interaction with their substrates** *EPIGENETICS*  
Binda, O., Leroy, G., Bua, D. J., Garcia, B. A., Gozani, O., Richard, S.  
2010; 5 (8): 767-775

- **Epigenome Microarray Platform for Proteome-Wide Dissection of Chromatin-Signaling Networks** *PLOS ONE*  
Bua, D. J., Kuo, A. J., Cheung, P., Liu, C. L., Migliori, V., Espejo, A., Casadio, F., Bassi, C., Amati, B., Bedford, M. T., Guccione, E., Gozani, O.  
2009; 4 (8)
- **The Return of the ING2s, Histone Mark Sensors and Phospholipid Signaling Effectors** *CURRENT DRUG TARGETS*  
Bua, D. J., Binda, O.  
2009; 10 (5): 418-431
- **Aire employs a histone-binding module to mediate immunological tolerance, linking chromatin regulation with organ-specific autoimmunity** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Koh, A. S., Kuo, A. J., Park, S. Y., Cheung, P., Abramson, J., Bua, D., Carney, D., Shoelson, S. E., Gozani, O., Kingston, R. E., Benoist, C., Mathis, D.  
2008; 105 (41): 15878-15883

## PRESENTATIONS

- Genomic analyses of the tumor suppressor protein ING2 in response to stress - Society for Advancement of Chicanos and Native Americans in Science (SACNAS) National Conference (10/27/2011)
- Epigenome peptide microarrays facilitate molecular dissection of chromatin signaling networks - Gordon Research Conference: Signal Transduction within the Nucleus (4/1/2009)
- Genetic Interactions Between Lagging Strand DNA Replication Machinery and Cdc24p in Fission Yeast - Cold Spring Harbor Laboratory (8/26/2005)
- Interactions between Cdc24 and lagging strand DNA synthesis machinery: Cdc17 (DNA ligase I homolog) and Rad2 (FEN-1) homolog in *Schizosaccharomyces pombe* - 27th Annual Asilomar Chromatin and Chromosomes Conference (12/1/2005)