

FACULTY PROFILE

## Dr. Michael K. Watters

Associate Professor of Biology

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### Education

B.A. - Washington University 1986 Ph.D. - University of Washington 1993

### Research Interests

Fungus Dr. Watters studies the genetics of the filamentous fungus *Neurospora crassa*. Recent work has been focused on examining the control of branching during growth. Another long-term interest is spontaneous mutation. Previous work has shown that spontaneous mutation in *Neurospora* varies during different phases in the life cycle. The basis for this variation remains to be determined.

### Publications

- , Watters, Michael K., E.R. Lindamood\*, M. Meunich\*. and R. Vctor\* (2008) *Strain-Dependent Relationship Between Growth Rate and Hyphal Branching in Neurospora crassa. Proceedings of the Indiana Academy of Science. 117(1):1-6.*, \*indicates Valparaiso University student
- , Watters, Michael K. (2006) *Control of Branch Initiation in Neurospora. Proceedings of the Indiana Academy of Science. 115(1): 7-12.*,
- , Watters, M.K. and and A. J. F. Griffiths (2001) *Tests of a cellular model for constant branch distribution in the filamentous fungus Neurospora crassa. Applied and Environmental Microbiology. 67: 1788-1792.*,
- , Watters, M.K., A. Virag, J. Haynes and A. J. F. Griffiths (2000) *Branch initiation in Neurospora is influenced by events at the previous branch. Mycological Research 104: 805-809.*,

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