

## Curriculum Vitae

### Personal Information

Name: **Casey Wyatt Wright, Ph.D.**  
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### Education

1998-2003 **Ph.D.**, Molecular Cellular and Developmental Biology, Kansas State University, Manhattan, Kansas  
Advisor: Dr. Rollie Clem  
1992-1996 **B.S.**, Biology, Kansas State University, Manhattan, Kansas

### Research Experience

2008 **Assistant Professor.** Division of Toxicology, College of Pharmacy and Cell and Molecular Biology Program, Institute for Cellular and Molecular Biology.  
2003-2008 **Research Fellow.** Defining the components of the CD30 receptor signal transduction pathway in relation to NF- $\kappa$ B regulation.  
Advisor: Dr. Colin S. Duckett. Pathology Department, University of Michigan Medical School, Ann Arbor, Michigan  
1998-2003 **Graduate Student.** Determination of the structure-function relationship in the baculovirus anti-apoptotic protein Op-IAP as it relates to caspases inhibition.  
Advisor: Dr. Rollie J. Clem. Division of Biology, Kansas State University, Manhattan, Kansas  
2001-2003 **Supervisor of Undergraduate Student.** Characterization of *Drosophila* caspases-Op-IAP interactions. Division of Biology, Kansas State University, Manhattan, Kansas. Student presented award-winning poster under my direction.  
2000 **Supervisor of Rotating Graduate Student.** Biochemical isolation of recombinant Op-IAP protein. Division of Biology, Kansas State University, Manhattan, Kansas

### Grants and Awards

2006-2007 **Office of the Vice President of Research/BioMedical Research Council,** Postdoctoral Training Award, University of Michigan,  
“New insights into the signaling properties of the Hodgkin’s lymphoma associated molecule, CD30”  
2003-2006 **T32 HL07517-24** NIH Postdoctoral Fellowship, University of Michigan,  
“Characterization of CD30-mediated alternative NF- $\kappa$ B pathway activation”

- 1999-2002    **T32 CA09418**    NCI Predoctoral Training Award, Kansas State University, “Structure-Function Relationship in the Baculovirus Anti-apoptotic Protein Op-IAP”
- 2001            Travel Grant Award, Center for Basic Cancer Research, Kansas State University

## Journal Reviewing Activities

### *Ad hoc* reviewing

*Blood*

*Cell Death and Differentiation*

*Journal of Biological Chemistry*

*Journal of Clinical Investigation*

*Proceedings of the Nat. Acad. Sciences USA*

*Trends in Immunology*

## Publications

- Wright, C.W.** and Duckett, C.S. 2009. The aryl hydrocarbon nuclear translocator alters CD30-mediated NF- $\kappa$ B-dependent transcription. *Science* (in press).
- Csomos, R.A., **Wright, C.W.**, Galbán, S., Oetjen, K.A., and Duckett, C.S. 2009. Two distinct signaling cascades target the NF- $\kappa$ B regulatory factor c-IAP1 for degradation. *Biochemical Journal* (in press).
- Galbán, S, Hwang, C., Rumble, J.M., Oetjen, K.A., **Wright, C.W.** and Duckett, C.S. 2008. Cytoprotective effects of IAPs revealed by a small molecule IAP antagonist. *Biochemical Journal* (in press).
- Rumble, J.M., Csomos, R.A., **Wright, C.W.**, Mak, T.W., and Duckett, C.S. 2008. Apoptotic sensitivity of murine IAP-deficient cells. *Biochemical Journal*, **415**, 21-25.
- Wright, C.W.** and Duckett, C.S. 2008. New Insights into the Function of IAP Proteins: Modulation of the Myc/Max/Mad Network. *Developmental Cell*, **14**, 3-4
- Hwang C., Giri, V.N., Wilkinson, J.C., **Wright, C.W.**, Wilkinson, A.S., Cooney, K.A., and Duckett, C.S. 2008. EZH2 regulates the transcription of estrogen-responsive genes through association with REA, an estrogen receptor corepressor. *Breast Cancer Research and Treatment*, **107**, 235-242
- Wright, C.W.**, Rumble, J.M., and Duckett, C.S. 2007. CD30 activates both the canonical and alternative NF- $\kappa$ B pathways in anaplastic large cell lymphoma cells. *Journal of Biological Chemistry*, **282**, 10252-10262
- Wright, C.W.** and Duckett, C.S. 2005. Re-awakening the cellular death program in neoplasia through the therapeutic blockade of IAP function. *Journal of Clinical Investigation*, **115**, 2673-2678
- Wright, C.W.**, Penabaz, T., Means, J.C., and Clem, R.J. 2005. The baculovirus anti-apoptotic protein Op-IAP does not inhibit *Drosophila* caspases or apoptosis in *Drosophila* S2 cells and instead sensitizes S2 cells to virus-induced apoptosis. *Virology*, **335**, 61-71
- Wright, C. W.** and Clem, R. J. 2002. Sequence requirements for Hid binding and apoptosis regulation in the baculovirus inhibitor of apoptosis Op-IAP: Hid binds Op-IAP in a manner similar to Smac Binding of XIAP. *Journal of Biological Chemistry*, **277**, 2454-2462

## Manuscripts Submitted or In Preparation

**Wright, C.W.** 2008. p52/p100 promotes cell cycle progression through repression of the cyclin dependent kinase inhibitor p15/CDKN2B. In preparation.

## Meeting Abstracts

**Wright, C.W.** and Duckett, C.S. NF- $\kappa$ B, Keystone Symposia, “ARNT modulates CD30-mediated NF- $\kappa$ B transactivation through regulation of RelB”. 2008

**Wright, C.W.** and Duckett, C.S. Mechanisms of Eukaryotic Transcription, Cold Spring Harbor, NY, “The Aryl Hydrocarbon Receptor Nuclear Translocator modulates CD30-mediated NF- $\kappa$ B transactivation”. 2007

**Wright, C.W.**, Rumble, J.M., and Duckett, C.S. NF-kappaB: 20 Years on the Road from Biochemistry to Pathology, Keystone Symposia, “Characterization of the NF- $\kappa$ B promoting activity of CD30 under physiological conditions”. 2006.

**Wright, C.W.** and Duckett C.S. Cellular Senescence and Cell Death, Keystone Symposia, “CD30-mediated NF- $\kappa$ B2/p100 activation and gene regulation”. 2005.

**Wright, C.W.** and Clem, R.J. Programmed Cell Death Conference, Cold Spring Harbor, NY, “The role of the BIR flanking regions in the anti-apoptotic function of the baculovirus protein Op-IAP”. 2001.

**Wright, C.W.** and Clem, R.J. American Society for Virology, Madison, WI, “Functional analysis of the BIR regions in the anti-apoptotic baculovirus protein Op-IAP”. 2001.

**Wright, C.W.** and Clem, R.J. University of Nebraska Regional Virology Conference, Lincoln, NE, “Mutational analysis of the baculovirus Inhibitor of Apoptosis Protein Op- IAP”. 2000.

**Wright, C.W.** and Clem, R.J. Programmed Cell Death Conference, Cold Spring Harbor, NY, “Site-directed mutagenesis of the baculovirus anti-apoptotic protein Op-IAP”. 1999.

**Wright, C.W.** and Clem, R.J. American Society for Microbiology, Tulsa, OK, “Site-directed mutagenesis of the baculovirus protein Op-IAP”. 1999.

## Committees and Reviewerships

2004, 2006 and 2007 Reviewer, NASA-Harriett G. Jenkins Pre-doctoral Fellowship Program (JPFP) study section

2000 – 2001 Graduate Student Senator, Kansas State University Student Senate

1999 Graduate Student Council, Vice President of the Division of Biology Chapter

## Invited Speaker

2001 Center for Basic Cancer Research, Board of Directors Annual Meeting, Manhattan, KS

2008 Keystone Symposia on NF- $\kappa$ B. “ARNT modulates CD30-mediated NF- $\kappa$ B transactivation through regulation of RelB”.

## References

Dr. Colin S. Duckett  
Associate Professor and  
Director Molecular Mechanisms  
of Disease Program  
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and Internal Medicine  
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