

CURRICULUM VITAE
Oliver H. Voss

The M. Davis Heart and Lung Research Institute
The Ohio State University
473 West 12th Avenue
Columbus, Ohio, 43210
Phone: (614)-292-8987
Email: voss.39@osu.edu

Education.

1994 - 1997 B.S., Chemistry. Lise-Meitner School, Berlin, Germany.
1998 - 2002 M.S., Biotechnology. University of Applied Sciences, Berlin, Germany
2004 - Present Working towards Ph.D., Molecular Genetics. The Ohio State University,
Columbus, Ohio. Advisor: Dr. Andrea Doseff.
Thesis: "Regulatory Mechanisms of Apoptosis".

Professional Memberships.

2007 - Present Member of the American Association for the Advancement of Science
(AAAS).

Awards.

2006 Travel Award. The 5th Annual Ohio State University Medical Center and
Graduate and Postgraduate Research Day. The Ohio State University,
Columbus, OH.
2008 Travel Award. The 7th Annual Ohio State University Medical Center and
Graduate and Postgraduate Research Day. The Ohio State University,
Columbus, OH.
2008 1st place in the Scott Falkenthal Memorial Graduate Student Colloquium.
The Ohio State University, Columbus, OH.
2006 - 2008 American Heart Association Pre-doctoral Fellowship.

Teaching.

2005 Summer Teaching Assistant in Introductory Biology (Bio 101), The Ohio State
University, Columbus, OH. Enrollment 600 students.
2005 Fall Teaching Assistant in Molecular Genetics (MG 500), The Ohio State
University, Columbus, OH. Enrollment 300 students.

Peer-reviewed publications.

1. Nicholas, C., Batra, S., Vargo, M.A., **Voss, O.H.**, Gavrilin M.A., Wewers, M.D. and Doseff, A.I. (2007). Apigenin blocks LPS-induced lethality *in vivo* and pro-inflammatory cytokine expression by inactivating NF κ B through suppression of p65 phosphorylation. *J. Immunol.* **179**: 7121–7127.
2. **Voss, O.H.***, Batra S.*, Kolattukudy S.J., Gonzalez-Mejia M.E., Smith J.B., Doseff A.I. (2007). Binding of caspase-3 prodomain to heat shock protein 27 regulates monocyte apoptosis by inhibiting caspase-3 proteolytic activation. *J. Biol. Chem.*; **282**: 25088-99.
3. Vargo, M.A., **Voss, O.H.**, Cardounel, A.J., Grotewold, E., and Doseff, A.I. (2006). Apigenin-induced-apoptosis is mediated by the activation of PKC δ and caspases in leukemia cells. *Biochem. Pharmacol.* **72**: 681-692.
4. **Voss, O.H.***, Kim, S.*, Wewers, M.D. and Doseff, A.I. (2005). Caspase-3 is a phosphoprotein and associates with PKC δ during spontaneous monocyte apoptosis. *J. Biol. Chem.* **280**: 17371-17379.

* Shared first authorship

Meeting Presentations.

- 1 **Voss, O.H.***, González-Mejia, M.E., Malavez, Y., Batra, S., and Doseff, A.I. (2008). Regulation of cell fate by PKC δ -dependent phosphorylation of caspase-3 and its association with heat shock protein 27. (Oral Presentation). Scott Falkenthal Memorial Graduate Student Colloquium. The Ohio State University, Columbus, OH.
- 2 **Voss, O.H.***, González-Mejia, M.E., Malavez, Y., Batra, S., and Doseff, A.I. (2008). Cell fate is regulated by the interaction of Protein Kinase C δ , heat shock protein 27 and caspase-3. (Poster presentation). The 7th Annual Ohio State University Medical Center and Graduate and Postgraduate Research Day. The Ohio State University, Columbus, OH.
- 3 Malavez, Y.*, **Voss, O.H.**, Doolittle, J., and Doseff, A.I. (2008). Regulation of apoptosis by PKC δ -dependent phosphorylation of caspase-3. (Poster presentation). The 7th Annual Ohio State University Medical Center and Graduate and Postgraduate Research Day. The Ohio State University, Columbus, OH.
- 4 González-Mejia, M.E.*, **Voss, O.H.**, and Doseff, A.I. (2008). PKC δ and Hsp27 regulate monocyte/macrophage cell fate by direct interaction with caspase-3. (Poster presentation). The 7th Annual Ohio State University Medical Center and Graduate and Postgraduate Research Day. The Ohio State University, Columbus, OH.
- 5 **Voss, O.H.***, González-Mejia, M.E., Malavez, Y., Batra, S., and Doseff, A.I. (2008). Regulation of cell fate by caspase-3 and Protein Kinase C δ and heat shock protein 27. (Poster presentation). The 10th Comprehensive Cancer Center Scientific Meeting. The Ohio State University, Columbus, OH.
- 6 Nicholas, C.*, Batra, S., Vargo, M.A., **Voss, O.H.**, Gavrilin, M.A., Guttridge, D., Wewers, M.D., Grotewold, E., and Doseff, A.I. (2008). Apigenin induces apoptosis in leukemia, and inhibits the inflammatory response *in vitro* and *in vivo* through an inhibition of NF- κ B-p65. (Poster presentation). The 10th Comprehensive Cancer Center Scientific Meeting. The Ohio State University, Columbus, OH.

- 7 Malavez, Y.* , **Voss, O.H.**, Doolittle, J., and Doseff, A.I. (2008). Regulation of apoptosis by PKC δ -dependent phosphorylation of caspase-3. (Poster presentation). The 10th Comprehensive Cancer Center Scientific Meeting. The Ohio State University, Columbus, OH.
- 8 González-Mejia, M.E.* , **Voss, O.H.**, and Doseff, A.I. (2008). Caspase-3-dependent apoptosis in monocyte/macrophage life span: role of heat shock protein 27. (Poster presentation). The 10th Comprehensive Cancer Center Scientific Meeting. The Ohio State University, Columbus, OH.
- 9 **Voss, O.H.***, Malavez. Y., Gonzalez-Mejia, M.E., Batra, S., Sharma, A., and Doseff, A.I. (2007). PKC δ -dependent phosphorylation of caspase-3 and its association with hsp27 regulate monocytes life span. (Oral presentation). Cell Death meeting, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.
- 10 **Voss, O.H.***, Malavez. Y., Gonzalez-Mejia, M.E., Batra, S., and Doseff, A.I. (2007). PKC δ -dependent phosphorylation of caspase-3 and its association with hsp27 regulate monocytes life span. (Oral presentation). Pulmonary Research Conference. The Ohio State University. Columbus, OH.
- 11 González-Mejia M.E., **Voss O.H.**, and Doseff A.I. PKC δ and Hsp27 regulate macrophage apoptosis by its interaction with caspase-3. (Oral presentation). Pulmonary Research Conference. The Ohio State University. Columbus, OH.
- 12 Malavez, Y.* , **Voss, O.H.**, and Doseff, A.I. (2007). Regulation of cell death in innate immune response. (Oral Presentation). Pulmonary Research Conference. The Ohio State University, Columbus, OH.
- 13 **Voss, O.H.***, Batra, S., Kolattukudy, S.J., and Doseff, A.I. (2007). The small heat shock protein 27 regulates monocyte/macrophage apoptosis by inhibiting caspase-3 activation. (Poster presentation). The 9th Comprehensive Cancer Center Scientific Meeting. The Ohio State University, Columbus, OH.
- 14 Batra, S.* , Nicholas, C., Vargo, M.A., **Voss, O.H.**, Gavrilin, M.A., Guttridge,D., Grotewold, E., Wewers, M.D., and Doseff, A.I. (2007). The flavonoid apigenin inhibits the production of inflammatory cytokines by promoting the dephosphorylation and inactivation of NF κ B in LPS stimulated monocytes and *in vivo*. (Poster presentation). The 9th Annual Comprehensive Cancer Center Scientific Meeting. The Ohio State University, Columbus, OH.
- 15 **Voss, O.H.**, Batra, S., Kolattukudy, S.J., and Doseff, A.I.* (2007). Heat shock protein 27 regulates monocyte life span by inhibiting caspase-3 activation. (Poster presentation). American Thoracic Society International Conference, San Francisco, CA.
- 16 Malavez, Y.* , **Voss, O.H.**, and Doseff, A.I. (2007). The role of caspase-3 phosphorylation in apoptosis. (Poster presentation). Bi-Annual Molecular Biology and Cancer Genetics Conference. The Ohio State University, Columbus, OH.
- 17 Nicholas, C.* , Batra, S., Vargo, M.A., **Voss, O.H.**, Gavrilin, M.A., Guttridge, D., Wewers, M.D., Grotewold, E., and Doseff, A.I. (2007). The flavonoid apigenin inhibits the production of inflammatory cytokines by inhibiting the phosphorylation and inactivation of NF- κ B in LPS-stimulated monocytes and *in vivo*. (Poster presentation). The 2nd Annual Pulmonary Research Day. The Ohio State University, Columbus, OH.

- 18 González-Mejía, M.E.*, **Voss, O.H.**, and Doseff, A.I. (2007). Subcellular localization of caspase-3, PKC δ , and its association with hsp27 regulate monocyte life span. (Poster presentation). The 2nd Annual Research Day. The Ohio State University, Columbus, OH.
- 19 Malavez, Y.*, **Voss, O.H.**, and Doseff, A.I. (2007). Regulation of caspase-3 activation by PKC δ phosphorylation. (Poster presentation). The 2nd Annual Research Day. The Ohio State University, Columbus, OH.
- 20 Sharma, A.*, Vargo, M.A., **Voss, O.H.**, Batra, S., and Doseff, A.I. (2006) Apigenin-induced apoptotic release of histones H2B and H4 to the cytoplasm. (Poster presentation). The 2nd Annual Davis Heart and Lung Research Institute Research Retreat. The Ohio State University, Columbus, OH.
- 21 Batra, S.*, Vargo, M.A., **Voss, O.H.**, Gavrilin, M.A., Guttridge, D., Grotewold, E., Wewers, M.D., and Doseff, A.I. (2006). The flavonoid apigenin regulates the production of inflammatory cytokines by promoting the dephosphorylation and inactivation of NF κ B in LPS stimulated monocytes. (Poster presentation). The 2nd Annual Pulmonary Research Day. The Ohio State University, Columbus, OH.
- 22 Nicholas, C.*, Voss, O.H., Batra, S., Malavez, Y., Sánchez-Peña, I., Doseff, A.I. (2006). The role of hsp27 and PKC δ as regulators of caspase-3 during apoptosis. (Poster presentation). The 1st Annual Pulmonary Research Day. The Ohio State University, Columbus, OH.
- 23 Sharma, A.*, Vargo, M.A., **Voss, O.H.**, Batra, S., and Doseff, A.I. (2006). Apigenin-induced apoptotic release of histones H2B and H4 to the cytoplasm. (Poster presentation). The 1st Annual Pulmonary Research Day. The Ohio State University, Columbus, OH.
- 24 **Voss, O.H.***, Batra S., Kolattukudy S.J., and Doseff, A.I. (2006). Heat shock protein 27 regulates monocytes life span by inhibiting caspase-3 activation. (Poster presentation). The 1st Annual Pulmonary Research Day. The Ohio State University, Columbus, OH.
- 25 Sharma, A.*, Vargo, M.A., **Voss, O.H.**, Batra, S., and Doseff, A.I. (2006). Apigenin-induced apoptotic release of histones H2B and H4 to the cytoplasm. (Poster presentation). The 1st Annual Pulmonary Critical Care, Allergy and Sleep Research Day. The Ohio State University, Columbus, OH.
- 26 Sanchez-Pena, I.*, Nicholas, C., **Voss, O.H.**, Malavez, Y., and Doseff, A.I. (2006). Regulation of cell death by phosphorylation of caspase-3. (Poster presentation). Ohio Student Research Forum. Department of Internal Medicine. The Ohio State University, Columbus, OH.
- 27 Taylor, C.R.*, **Voss, O.H.**, and Doseff, A.I. (2006). Regulation of caspase-3 via PKC δ phosphorylation. (Poster presentation). Denman Undergraduate Research Forum. The Ohio State University, Columbus, OH.
- 28 **Voss, O.H.**, Batra, S., Kolattukudy, S.J., and Doseff, A.I.* (2006). Monocyte life span by the interaction of hsp27 and PKC δ with caspase-3. (Poster presentation). American Thoracic Society International Conference, San Diego, CA.
- 29 **Voss, O.H.***, Batra, S., Sharma, A., Kolattukudy, S.J., and Doseff, A.I. (2006). Regulation of apoptosis by caspase-3 mediated by hsp27 and PKC δ . (Poster presentation). The 8th Annual Comprehensive Cancer Center Scientific Meeting. The Ohio State University, Columbus, OH.

- 30 **Voss, O.H.***, Batra S., Sharma, A., Kolattukudy S. J., and Doseff, A.I. (2006). Interaction of hsp27 and PKC δ with caspase-3 regulates monocytes life span. (Poster presentation). The 5th Annual Ohio State University Medical Center and Graduate and Postgraduate Research Day. The Ohio State University, Columbus, OH.
- 31 **Voss, O.H.***, Sharma, A., and Doseff, A.I. (2005). Regulation of monocyte life span by the interaction of hsp27 with caspase-3. (Selected for Oral Presentation). Biennial Retreat Molecular Biology and Cancer Genetics Program. Atwood Lake Resort, OH.
- 32 **Voss, O.H.***, and Doseff, A.I. (2005). Caspase-3 phosphorylation by PKC δ has a pro-apoptotic effect by increasing its activity and inhibition of PKC δ induces prolonged human monocyte apoptosis. (Poster presentation). The 7th Annual Comprehensive Cancer Center Scientific Meeting. The Ohio State University, Columbus, OH.
- 33 **Voss, O.H.***, and Doseff, A.I. (2005). Caspase-3 phosphorylation by PKC δ has a pro-apoptotic effect by increasing its activity and inhibition of PKC δ induces prolonged human monocyte apoptosis. (Poster presentation). The 4th Annual Ohio State University Medical Center and Graduate and Postgraduate Research Day. The Ohio State University, Columbus, OH.
- 34 Doseff, A.I.*, and **Voss, O.H.** (2004). Caspase-3 phosphorylation by PKC δ has a pro-apoptotic effect by increasing its activity and inhibition of PKC δ induces prolonged human monocyte apoptosis. (Oral presentation). American Thoracic Society International Conference, Orlando, FL.
- 35 Doseff, A.I.*, **Voss, O.H.**, and Wewers, M.D. (2003). Caspase-3 is a phosphoprotein that associates with and is phosphorylated by a PKC δ during monocyte lifespan. (Oral presentation). American Thoracic Society International Conference, Seattle, WA.

* Indicates presenter