

Krisa Stéphanie, Ph.D.

Date of Birth: July 18, 1972

Affiliation:

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Academic History:

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| 1995 | Department of Biology, | First degree in Biology
University of Metz |
| 1996 | Department of Pharmaceutical Sciences, | MS in Oenology and Ampelology
University of Bordeaux |
| 1999 | Department of Pharmaceutical Sciences, | PhD in Biological and Medical Sciences
University of Bordeaux |

Professional/Scientific Career:

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| 1999-2000 | ATER | Pharmaceutical Science Faculty
University of Bordeaux |
| 2000-present | Associate Professor | Pharmaceutical Science Faculty
University of Bordeaux |

Research Area/ Interests:

Major research activities focus on natural products and the role of diet and natural products in the prevention of degenerative diseases. Topics of investigations include purification and analysis of plant polyphenols (stibenes) from wine and vine. We have developed in vitro models to study antioxidant, cytoprotective and anti-inflammatory activities of natural compounds. Our current research revolves more specifically around the bioavailability and metabolism of vine polyphenols (stilbenes).

Selected publication (Original article, 42)

1. Production of ¹³C-labelled anthocyanins by *Vitis vinifera* cell suspension cultures. **Krisa S**, Téguo PW, Decendit A, Deffieux G, Vercauteren J, Mérillon JM. *Phytochemistry*. 1999 Jul;51(5):651-6.
2. Regioselective and stereospecific glucuronidation of trans- and cis-resveratrol in human. Aumont V, **Krisa S**, Battaglia E, Netter P, Richard T, Mérillon JM, Magdalou J, Sabolovic N. *Arch Biochem Biophys*. 2001 Sep 15;393(2):281-9
3. Distribution of [¹⁴C]-trans-resveratrol, a cancer chemopreventive polyphenol, in mouse tissues after oral administration. Vitrac X, Desmoulière A, Brouillaud B, **Krisa S**, Deffieux G, Barthe N, Rosenbaum J, Mérillon JM. *Life Sci*. 2003 Apr 4;72(20):2219-33.
4. Cellular uptake and efflux of trans-piceid and its aglycone trans-resveratrol on the apical membrane of human intestinal Caco-2 cells. Henry C, Vitrac X, Decendit A, Ennamany R, **Krisa S**, Mérillon JM. *J Agric Food Chem*. 2005 Feb 9;53(3):798-803.
5. Transport, deglycosylation, and metabolism of trans-piceid by small intestinal epithelial cells. Henry-Vitrac C, Desmoulière A, Girard D, Mérillon JM, **Krisa S**. *Eur J Nutr*. 2006 Oct;45(7):376-82.
6. Radiolabelled cyanidin 3-O-glucoside is poorly absorbed in the mouse. Felgines C, **Krisa S**, Mauray A, Besson C, Lamaison JL, Scalbert A, Mérillon JM, Texier O. *Br J Nutr*. 2010 Jun;103(12):1738-45.
7. Inhibitory activity of plant stilbenoids against nitric oxide production by lipopolysaccharide-activated microglia. Nassra M, **Krisa S**, Papastamoulis Y, Kapche GD, Bisson J, André C, Konsman JP, Schmitter JM, Mérillon JM, Waffo-Téguo P. *Planta Med*. 2013 Jul;79(11):966-70.
8. Polyphenols from the stems of *Morus alba* and their inhibitory activity against nitric oxide production by lipopolysaccharide-activated microglia. Rivière C, **Krisa S**, Péchamat L, Nassra M, Delaunay JC, Marchal A, Badoc A, Waffo-Téguo P, Mérillon JM. *Fitoterapia*. 2014 Sep;97:253-60.
9. Phenolic contents and bioactive potential of peach fruit extracts. Mokrani A, **Krisa S**, Cluzet S, Da Costa G, Tamsamani H, Renouf E, Mérillon JM, Madani K, Mesnil M, Monvoisin A, Richard T. *Food Chem*. 2016 Jul 1;202:212-20.
10. Piceatannol and Other Wine Stilbenes: A Pool of Inhibitors against α -Synuclein Aggregation and Cytotoxicity. Tamsamani H, **Krisa S**, Decossas-Mendoza M, Lambert O, Mérillon JM, Richard T. *Nutrients*. 2016 Jun 15;8(6). pii: E367.