

Dr Pierre ATHIAS

Contact Details

Address: Institute of Cardiovascular Research
University Hospital Center
POB 77908
21079 DIJON, France

Telephone: +33 380 293 507 + +33 380 0293 031, ext. 13393
Fax +33 380 293 538
Email: athias@u-bourgogne.fr

Professional Biography

- **2000:** Senior Master Lecturer-Practitioner, University of Burgundy, Department of Physiology
- **1989:** Master Lecturer-Practitioner, University of Burgundy, Department of Physiology
- **1980:** Lecturer-Practitioner, University of Burgundy, Department of Physiology
- **1975:** Temporary Lecturer, University of Burgundy, Department of Physiology
- **1972:** Temporary Lecturer, University of Strasbourg, Department of Biochemistry

Education

- **1992:** State Research Director Doctorate
- **1977:** PhD, University of Strasbourg,
- **1973:** Master degree in research, University of Strasbourg
- **1972:** Degree in Biochemistry, University of Strasbourg
- **1969-1971:** Degree in Physiology, University of Burgundy

Expertises

- Electrophysiology
- Cellular physiology and pharmacology
- experimental models in physiology, pharmacology and pathology
- biomedical electronics and clinical functional tests

Professional memberships

- Research:**
- International Society for Heart Research (ISHR), European Section
 - French Group of Cardiovascular Research (GRRC)
 - French Society of Physiology
 - French Society of Pharmacology and Therapeutics
- Medical:**
- French Club of Digestive Motility (CFMD)
 - French Group of Paediatric Hepatology, Gastroenterology and Nutrition (GFHGNP)

Reviewer

- Annals of Nutrition and Metabolism
- British Journal of Pharmacology
- Cellular and Molecular Life Sciences
- European Journal of Pharmacology
- Fundamental and Clinical Pharmacology
- Journal of Cardiovascular Pharmacology
- Nutrition

Teaching	<p>Medical University Diploma:</p> <ul style="list-style-type: none"> • Nervous and muscular physiology • Cardiovascular physiology <p>Medical BA:</p> <ul style="list-style-type: none"> • Calcium physiology • Intestinal motility <p>Medical Masters:</p> <ul style="list-style-type: none"> • Physiology and Pharmacology of ion channels • Fundamentals in Biomedical Technology • Cellular Models in Experimental Research
Research Students	<ul style="list-style-type: none"> • Master Student: 16 as supervisor, 1 as co-supervisor • PhD Students: 13 as supervisor, 3 as co-supervisor
Grants & Funding	<p>National funding:</p> <ul style="list-style-type: none"> • French Ministry of Education, annual since 1991 • French Institute of Health and Medical Research (INSERM): 1993-1996 <p>Regional funding:</p> <ul style="list-style-type: none"> • Regional Council of Burgundy, annual since 1987 <p>Foundations:</p> <ul style="list-style-type: none"> • French Foundation for Medical Research: 1988, 1992 • French Cancer League: 2002, 2004 • French Federation of Cardiology : 2002, 2003, 2005 • Burgundy Heart Association: 2002, 2004
Publications (last 5 years)	<p>2002.- Tissier C, Bes S, Vandroux D, Fantini E, Rochette L, Athias P. Specific electromechanical responses of cardiomyocytes to individual and combined components of ischemia. <i>Can. J. Physiol. Pharmacol</i>, 80: 1145-1157</p> <p>2003.- Schaeffer, C., D. Vandroux, L. Thomassin, P. Athias, L. Rochette and J. L. Connat. Calcitonin gene-related peptide partly protects cultured smooth muscle cells from apoptosis induced by an oxidative stress via activation of ERK1/2 MAPK. <i>Biochim Biophys Acta</i> 1643(1-3): 65-73.</p> <p>2004.- Chantome, A., A. Pance, N. Gauthier, D. Vandroux, J. Chenu, E. Solary, J. F. Jeannin and S. Reveneau. Casein kinase II-mediated phosphorylation of NF-kB p65 subunit enhances inducible nitric oxide synthase gene transcription in vivo. <i>J Biol Chem</i>. 279(23): 23953-60.</p> <p>2004.- Gambert, S., S. Bes-Houtmann, D. Vandroux, C. Tissier, C. Vergely-Vandriesse, L. Rochette and P. Athias. Deep hypothermia during ischemia improves functional recovery and reduces free-radical generation in isolated reperfused rat heart. <i>J Heart Lung Transplant</i> 23(4): 487-91.</p> <p>2004.- Vandroux, D., C. Schaeffer, C. Tissier, A. Lalande, S. Bes, L. Rochette and P. Athias. "Microtubule alteration is an early cellular reaction to the metabolic challenge in ischemic cardiomyocytes." <i>Mol Cell Biochem</i> 258(1-2): 99-108.</p> <p>2004.- Bès, S., Tatou, E., Vandroux, D., Tissier, C., Rochette, L., Athias, P. Physiological and metabolic actions of mycophenolate mofetil on cultured newborn rat</p>

	<p>cardiomyocytes in normoxia and in simulated ischemia. <i>Fund Appl Pharm</i> 18: 287-298.</p> <p>2005.- Bès, S., Vandroux, D., Tissier, C., Tatou, Rochette, L., Athias, P. Direct protection by cyclosporin A of rat cardiomyocytes from simulated ischemia dysfunctions. <i>Eur. J. Pharmacol.</i> 511: 109-120</p> <p>2005.- Tissier, C., D. Vandroux, L. Devillard, A. Brochot, D. Moreau, L. Rochette and P. Athias. Substrate dependence of the postischemic cardiomyocyte recovery: dissociation between functional, metabolic and injury markers. <i>Mol Cell Biochem</i> 273(1-2): 43-55.</p> <p>2005.- Jacquir S., Binczak S., Laurent G., Athias P., Bilbault J.M. Influence of geometrical constraints on propagation in cardiac tissue. <i>Computers in Cardiology</i>, 2005 : 647- 650.</p> <p>2006.- Durot, I., L. Devillard, C. Tissier, D. Vandroux, S. Voisin, S. Jaquir, L. Rochette and P. Athias "Dependence on the phospholipid polyunsaturated fatty acids of the oxidative injury of isolated cardiomyocytes." <i>Free Radic Res</i> 40(3): 251-61.</p> <p>2006.- Devillard, L., Vandroux, D., Tissier, C., Brochot, A., Voisin, S., Rochette, Athias, P. Tubulin ligands suggest a microtubule-NADPH oxidase relationship in postischemic cardiomyocytes. <i>Eur. J. Pharmacol.</i> 548 : 64-73.</p> <p>2006.- Bopassa J. C., Vandroux D., Ovize M., Ferrera R. Controlled reperfusion after hypothermic heart preservation inhibits mitochondrial permeability transition-pore opening and enhances functional recovery. <i>Am. J. Physiol. Heart. Circ. Physiol.</i> 291(5): H2265-71.</p>
<p>Invited lectures</p>	<ul style="list-style-type: none"> • 1996 - Laboratory for Myocardial Research, Institute of Biochemistry, The Hebrew University, Hadassah Medical School, Jerusalem, Israel • 2000 - VERTEX Phamaceuticals Inc., Oxford, UK • 2004 - Servier-IDRS, Neuilly, France • 2007 – 9th National Meeting of the Electronicians of the National Center of Scientific Research (CNRS), Dijon, France
<p>Community involvement</p>	<ul style="list-style-type: none"> • Treasurer of the Health & Nutrition Branch of the Regional VITAGORA COMPETITIVE CLUSTER • Head of the Office of Innovation, Valorization and Technology Transfer of the Burgundy FEDERATION INSTITUTE OF HEALTH LABORATORIES • Consultant of the Health Dept of the BURGUNDY DEVELOPMENT AGENCY • Vice president of the regional CLUB OF TECHNOLOGICAL CONTRACTORS
<p>Personal interests</p>	<ul style="list-style-type: none"> • Horse dressage, show jumping and eventing • cycling, running • Photography, music, gardening • History, archeology, etymology