

# Short biography: MARTIAL SAUGY

## Present Position :

Associate Professor, Director of the Center of Research & Expertise in anti-Doping sciences  
Institute of Sports Sciences of the Lausanne University (ISSUL)  
University of Lausanne – Quartier Centre – Building Synathlon  
1015 Lausanne – Switzerland

## Professional and Academic Experience:

1980-1989: Education in Biology. PhD in 1986. Postdoc fellowship in McGill (biochemistry)  
1990-2001: Deputy Scientific Director, Swiss Laboratory for Doping Analyses, University of Lausanne  
2002- 2016: Director of the Swiss Laboratory for Doping Analyses, CHUV & University of Lausanne  
2006- 2013: Privat-Doctent at Faculty of Biology and Medicine of the University of Lausanne  
2013-2016: Associate Professor at Faculty of Biology and Medicine of the University of Lausanne  
2016 - : Director of the Center of Research & Expertise in anti-doping Sciences  
Institute of Sports Sciences of the Lausanne University (ISSUL).  
Associate Professor at Faculty of Sociology and Political Sciences of the University of Lausanne

## Research Projects as leading investigator (last 10 years):

2006-2007: From biological measurements to decision making in community health  
2006: Testosterone metabolism in different ethnical populations: towards a better evaluation of steroid profiling.  
2007: Quantification of 19 NA and 19 NE conjugates in plasma and urine samples by LC/MS/MS  
2007: Developpment of a web-based tool for the forensic evaluation of any longitudinal marker of doping: The athlete passport.  
2007-2009: A forensic approach to the fight against doping  
2007: Extraction and cleanup procedures for EPO detection  
2007: Small dosage of testosterone and nandrolone: use of IRMS for the detection  
2008: Statistical method of evaluation the normality or abnormality of biological parameters in athlete's blood or urine  
2008-2009: Analysis of CERA and other ESAs in urine  
2008-2009: Development of a novel method for the detection of HGH doping in elite sport.  
2009-2010: Stimulation of testosterone production by administration of HCG: effect on the steroid/IRMS profile and HCG level in urine.  
2010-2012: comparison between blood and urine matrixes in the fight against doping  
2010-2011: Suitability of in competition testing in blood compared to urine matrix.  
2011-2013: Pilot study for establishment of the endocrine module of the athlete passport  
2013-2014: Serum steroid profile by LC/MS/MS for world Championship in athletics  
2013-2014: Serum steroid profile by LC/MS/MS for world Championship in athletics. Collaborative project with WADA  
2013: Detection of DEHP-free blood transfusion using a combination of different biomarkers in diferrent matrixes  
2015: Detection of prohibited substances by supercritical fluid chromatography...  
2016: Impact of iron injection on iron metabolism biomarkers to detect blood transfusion  
2017: Steroid profile of Female athletes after application of testosterone gel

## Involvement as anti-doping expert in international sports events (selection of events):

**Sydney Olympics 2000, FIFA World Cup 2002, UEFA Euro 2004, IAAF World Championships Helsinki 2005, Torino Olympics 2006,, IAAF World Championships Osaka 2007, UEFA Euro 2008 Swiss-Austria, IAAF World Championships Berlin 2009, Vancouver Olympics 2010, IAAF World Championships Daegu 2011, UEFA Euro 2012 IAAF World Championships Moscow 2013, SOCHI Olympics 2014, IAAF World Championships Beijing 2015, UEFA Euro 2016, RIO Olympics 2016.**

## Scientific publications:

More than 160 publications in peer reviewed scientific Journals.