



Curriculum Vitae

PD Dr. med. Florence Vallelian

Curriculum

- 2002 Staatsexamen (Universität Lausanne)
- 2006 Dissertation (Universität Lausanne)
- 2010 FMH Allgemeine Innere Medizin
- 2010 Oberärztin Klinik und Poliklinik für Innere Medizin
- 2016 Leitende Ärztin Klinik und Poliklinik für Innere Medizin
- 2016 Habilitation

Zusätzliche Fähigkeiten

- 2012 FMH Allergologie und klinische Immunologie

Kernkompetenzen

Abklärung und Behandlung von systemischen entzündlichen Krankheiten

Persönliche Interessen

Geige

Forschung und Publikationen

1. Vallelian F, Garcia-Rubio I, Kahraman A, Puglia M, Deuel WJ, Engelsberger RW, Mason RP, Buehler PW, Schaer DJ.
Spin trapping combined with quantitative mass spectrometry defines free radical redistribution within the oxidized hemoglobin:haptoglobin complex.
Free Radic Biol Med. 2015 Aug;85:259-68
2. Vallelian F, Deuel J, Opitz L, Schaer CA, Puglia M, Lönn M, Engelsberger W, Schauer S, Karnaukhova E, Stocker R, Buehler PW, Schaer DJ.
Proteasome inhibition and oxidative reactions disrupt cellular homeostasis during heme stress.
Cell Death Differ. 2015 Apr;22(4):597-611.
3. Vallelian F, Gelderman-Fuhrmann MP, Schaer CA, Puglia M, Opitz L, Baek JH, Vostal J, Buehler PW, Schaer DJ.
Integrative proteome and transcriptome analysis of extramedullary erythropoiesis and its reversal by transferrin treatment in a mouse model of Beta-thalassemia.
J Proteome Res. 2015 Feb 6;14(2):1089-100.



4. Schaer CA, Laczko E, Schoedon G, Schaer DJ, Vallelian F.
Chloroquine interference with hemoglobin endocytic trafficking suppresses adaptive heme and iron homeostasis in macrophages: the paradox of an antimalarial agent. *Oxid Med Cell Longev*. 2013;2013:870472.
5. Baek JH, D'Agnillo F, Vallelian F, Pereira CP, Williams MC, Jia Y, Schaer DJ, Buehler PW.
Hemoglobin-driven pathophysiology is an in vivo consequence of the red blood cell storage lesion that can be attenuated in guinea pigs by haptoglobin therapy. *J Clin Invest*. 2012 Apr 2;122(4):1444-58.
6. Vallelian F, Schaer CA, Kaempfer T, Gehrig P, Duerst E, Schoedon G, Schaer DJ.
Glucocorticoid treatment skews human monocyte differentiation into a hemoglobin-clearance phenotype with enhanced heme-iron recycling and antioxidant capacity. *Blood*. 2010 Dec 9;116(24):5347-56.
7. Vallelian F, Pimenova T, Pereira C, Abraham B, Mikolajczyk MG, Schoedon G, Zenobi R, Alayash AI, Buehler PW, Schaer DJ.
The reaction of hydrogen peroxide with hemoglobin induces extensive α -globin crosslinking and impairs Hb's interaction with endogenous scavenger pathways. *Free Radical Biology and Medicine*. 2008 Oct 15;45(8):1150-8
8. Schaer CA, Vallelian F (equal contribution) Imhof A, Schoedon G, Schaer DJ.
CD163-expressing monocytes constitute an endotoxin-sensitive Hb clearance compartment within the vascular system. *J Leukoc Biol*. 2007 Jul;82(1):106-10.
9. Zimmerli SC, Harari A, Cellerai C, Vallelian F, Bart PA, Pantaleo G.
HIV-1-specific IFN-gamma/IL-2-secreting CD8 T cells support CD4-independent proliferation of HIV-1-specific CD8 T cells. *Proc Natl Acad Sci U S A*. 2005 May 17;102(20):7239-44.
10. Harari A, Petitpierre S, Vallelian F, Pantaleo G.
Skewed representation of functionally distinct populations of virus-specific CD4 T cells in HIV-1-infected subjects with progressive disease: changes after antiretroviral therapy. *Blood*. 2004 Feb 1;103(3):966-72.