

# **Yohann BENARD**

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Türkenstraße 29  
80799 München  
+45 176 707 159 45  
Age 29

## **Skills**

- Setting up experimental protocols
- Driving and monitor experiments on visual system
- Use of an adaptive optics device (CRX1™ Imagine Eyes)
- Writing papers
- Realization of posters and oral presentations
- Eye exams
- Contact lens fitting
- Fluent English, French mother tongue
- Excel, Word and PowerPoint Mastery

## **Education**

**Université Paris Sud XI**

**October 2008 - October 2011 PhD in vision sciences (Physics)**

*« Measurement and Prediction of the Subjective Vision in Presence of Monochromatic Aberrations »*

**Université Paris Sud XI**

**September 2006 - June 2008 Master's Degree, « Vision Sciences »**

**Université Paris Sud XI**

**September 2005 - June 2006 Bachelor's Degree, « Professional optics »**

**Lycée Marie Curie - Vire**

**June 2005 Two-year technical degree, optician**

## **Experience**

**Post-Doc in Rodenstock R&D department**

*March 2012– Current*

**Training period in Essilor R&D department**

*November 2007– May 2008*

**Training period in an ophthalmologist practice**

**Dr Le Bihan - Vire**

*March 2006– June 2006*

**Optician**

**Optique Met – St Renan**

*Summer 2005, 2006 et 2008*

## Publications

- **Papers**

- Bénard Y, Lopez-Gil N, Legras R. Optimizing the subjective depth-of-focus with combinations of fourth- and sixth-order spherical aberration. *Vision Res* 2011; 51(23-24):2471-7.
- Bénard Y, Lopez-Gil N, Legras R. Subjective depth of field in presence of 4th-order and 6th-order Zernike spherical aberration using adaptive optics technology. *J Cataract Refract Surg* 2010; 36(12):2129-38.
- Legras R, Bénard Y, Lopez-Gil N. Effect of coma and spherical aberration on depth-of-focus measured using adaptive optics and computationally blurred images. *J Cataract Refract Surg.* 2012; 38(3):458-69.
- Legras R, Bénard Y, Rouger H. Through-focus visual performance measurements and predictions with multifocal contact lenses. *Vision Res* 2010; 50(12):1185-93.
- Rouger H, Benard Y, Legras R. Effect of Monochromatic Induced Aberrations on Visual Performance Measured by Adaptive Optics Technology. *J Refract Surg.* 2009;1-10

- **Posters/ Oral presentations**

- Bénard Y, Legras R. Optimization of the Subjective Depth of Focus with Combinations of Spherical Aberration and Secondary Spherical Aberration. ARVO poster #3964 2010.
- Bénard Y, Legras R. Mesure et prédition de l'effet de l'aberration sphérique de quatrième et sixième ordre sur la profondeur de champ subjective. JRIOA 2010.
- Bénard Y, Rouger H, Legras R. Tolerance to blur determined with an adaptive optics system and image quality metrics. ARVO poster #1116 2009.
- Legras R, Bénard Y. Measurement and prediction of through-focus image quality assessment and depth-of-field in presence of various combinations of 4th and 6th order Zernike spherical aberration. ARVO poster #2836 2011.
- Legras R, Bénard Y. Comparison between subjective depth of focus using AO and simulated images in presence of various monochromatic aberrations. ARVO poster #3963 2010.
- Legras R, Bénard Y, Rouger H. Through-Focus Visual Performances Measurements and Predictions with Multifocal Contact Lenses. ARVO poster #1126 2009.
- Rouger H, Legras R, Bénard Y, Gatinel D. Are keratoconic eyes adapted to their monochromatic aberrations? ARVO poster #1575 2009.