

## Curriculum Vitae – Professor Christopher R. Thornton

### **ACADEMIC QUALIFICATIONS AND APPOINTMENTS**

<b>Dates</b>	<b>University</b>	<b>Qualifications/Position</b>
1984 - 1987	University of Newcastle-upon-Tyne	BSc. Hons (2.1)
1987 - 1991	University of Sheffield	Doctor of Philosophy (PhD)
1991 - 1994	University of Oxford	Postdoctoral Research Associate
1994 - 1997	University of Cambridge	Postdoctoral Research Associate
1997 - 1998	University of Exeter	Temporary Lecturer in Molecular Genetics
1998 - 2001	University of Exeter	University Research Fellow
2001 - 2003	University of Exeter	Postdoctoral Research Fellow
2003 - 2007	University of Exeter	Lecturer
2007 - 2013	University of Exeter	Senior lecturer
2013 -	University of Exeter	Associate Professor
2012 - present	University of Exeter	Director of Isca Diagnostics Ltd.

### **SELECTED PUBLICATIONS (SINCE 2008)**

- Thornton CR. (2008). Development of an Immunochromatographic Lateral-Flow Device for Rapid Serodiagnosis of Invasive Aspergillosis. *Clinical and Vaccine Immunology* **15**: 1095-1105.
- Thornton CR. (2009). Tracking the emerging human pathogen *Pseudallescheria boydii* by using highly specific monoclonal antibodies. *Clinical and Vaccine Immunology* **16**: 756-764.
- Wiederhold NP, Thornton CR, Najvar LK, Kirkpatrick WR, Bocanegra R, Patterson TF. (2009). Comparison of Lateral Flow Technology and Galactomannan and (1→3)-β-D-Glucan assays for detection of invasive pulmonary aspergillosis. *Clinical and Vaccine Immunology* **16**: 1844-1846.
- Thornton CR. (2010). Detection of invasive aspergillosis. *Advances in Applied Microbiology* **70**: 187-216.
- Thornton CR, Johnson G, Agrawal S. (2012). Detection of invasive pulmonary aspergillosis in haematological malignancy patients by using lateral-flow technology. *Journal of Visualized Experiments* **61**: e3721
- Hoenigl WM, Koidl C, Duettmann W, Seeber K, Wagner J, Buzina W, Wöfler A, Raggam RB, Thornton CR. (2012). Bronchoalveolar lavage lateral-flow device test for invasive aspergillosis diagnosis in haematological malignancy and solid organ transplant patients. *Journal of Infection* **65**: 588-591.
- Wiederhold NP, Najvar LK, Bocanegra R, Kirkpatrick WR, Patterson T, Thornton CR. (2013). Inter-laboratory and inter-study reproducibility of a novel lateral-flow device and the influence of antifungal therapy on the detection of invasive pulmonary aspergillosis. *Journal of Clinical Microbiology* **51**: 459-465.
- White PL, Parr C, Thornton CR, Barnes RA. (2013). An evaluation of real-time PCR, galactomannan ELISA and a novel lateral-flow device for diagnosis of invasive aspergillosis. *Journal of Clinical Microbiology* **51**: 1510-1516.
- Thornton CR, Wills OE. (2013). Immunodiagnostics for tracking fungal and oomycete pathogens: Established and emerging threats to human health, animal welfare and global food security. *Critical Reviews in Microbiology*. <http://informahealthcare.com/doi/abs/10.3109/1040841X.2013.788995>.
- Davis G, Thornton CR. (2013). Accurate differentiation of the emerging human pathogens *Trichosporon asahii* and *Trichosporon asteroides* from other pathogenic yeasts and moulds by using species-specific monoclonal antibodies. *PLoS ONE*, in press.

### **PATENTS**

- Thornton CR. *New Method of Detecting and Diagnosing Invasive Aspergillosis*. Patent number: US filing on 16.1.2009 (US61/145,282) and PCT filing (PCT/GB2010/000064). National and regional filing (US, Europe, India, China, Russia) July 2011. Filed date: 16 Jan 2009. Status: published. URL: <http://www.wipo.int/pctdb/en/wo.jsp?WO=2010082034&IA=GB2010000064&DISPLAY=DESC>