AHMED EL MARGHANI received his bachelor degree in Veterinary medicine in 1999 from faculty of veterinary medicine in Tripoli, Libya. After graduating he worked as a veterinarian doctor in the field of livestock improvement. In 2002, he started his career as a researcher at Biotechnology research center in Tripoli-Libya. During his tenure, he dealt with livestock improvement studies. The Ph.D studies have been performed at Örebro Life Science Center (ÖLSC) at the School of Science and Technology, Örebro University.

Activation of innate immunity is regulated by a variety of signaling molecules within the immune cells. The aim of the thesis was to improve our understanding of innate signaling mechanisms and use as bioindicators of exposure and diseases. The first part of the thesis deals with the involvement of oncoprotein TOM1L1 (Target of Myb-1 like 1) in innate immune signaling and regulation of inflammatory cytokines in immune cells. The second part of the thesis deals with the development of innate immune signaling responses for use as a diagnosis tools to study disease and exposure.

Doctoral Dissertation

Regulatory aspects of innate immune responses

Ahmed El Marghani

Biology