

**Dynamic properties of the Growth Hormone Releasing Hormone Receptor (GHRHR) and
molecular determinants of GHRH binding**

M.-T. Matsoukas* and G. A. Spyroulias

University of Patras, School of Health Sciences, Department of Pharmacy, University Campus, Rion,
Patras, Greece.

*: To whom correspondence should be addressed at:

University of Patras, School of Health Sciences, Department of Pharmacy, University Campus, Rion,
GR-265 04, Patras, Greece; Telephone: +30-2610-962351, Fax: +30-2610-997693, Email:

minosmatsoukas@upatras.gr

Supplementary information

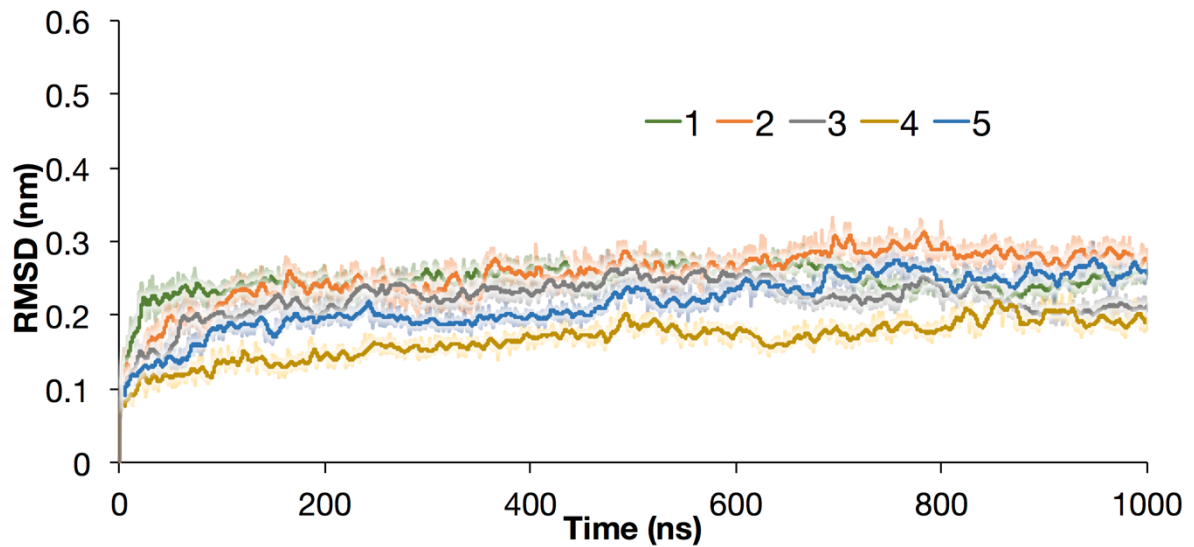


Figure S1. Root-mean squared deviation of the GHRHR 7TM C $_{\alpha}$ atoms for the five independent apo GHRHR simulations.

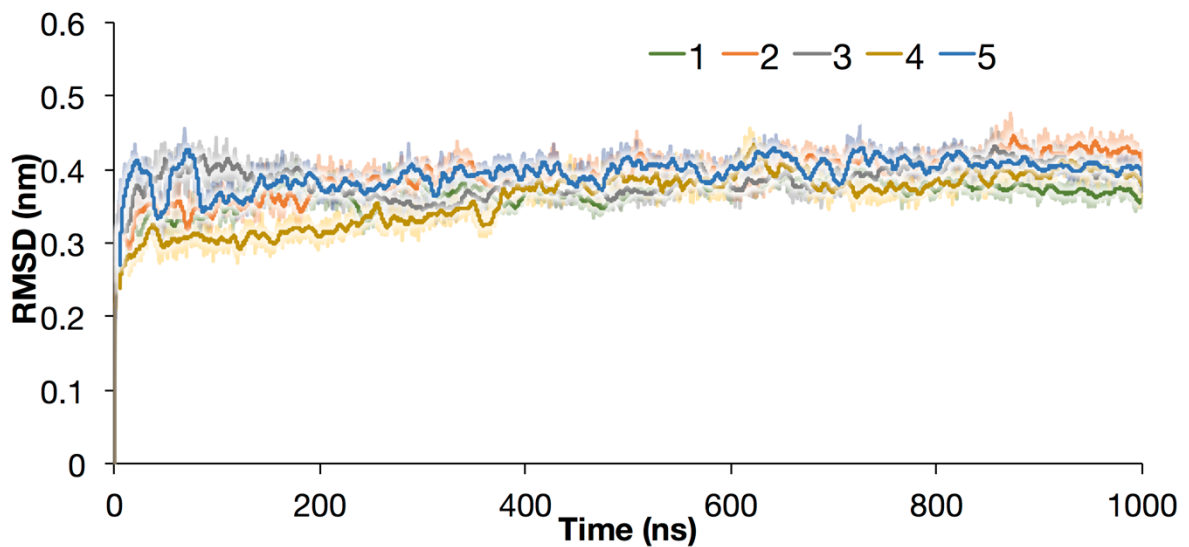


Figure S2. Root-mean squared deviation of the GHRHR 7TM C $_{\alpha}$ atoms for the five independent GHRHR-modGHRH simulations.

Video S3. Trajectory of a 1 μ s simulation of the modGHRH-GHRHR complex in surface representation. modGHRH is shown in orange, the TMD of GHRHR in white and the ECD in blue colors.