

# Self-assembly and Hydrogelation Properties of Peptides Derived from Peptic Cleavage of Aggregation-prone Regions of Ovalbumin

Raliat O. Abioye <sup>1</sup>, Caleb Acquah <sup>2</sup>, Pei Chun Queenie Hsu <sup>1,3</sup>, Nico Hüttmann <sup>1</sup>, Xiaohong Sun <sup>2,4</sup> and Chibuike C. Udenigwe <sup>1,2,\*</sup>

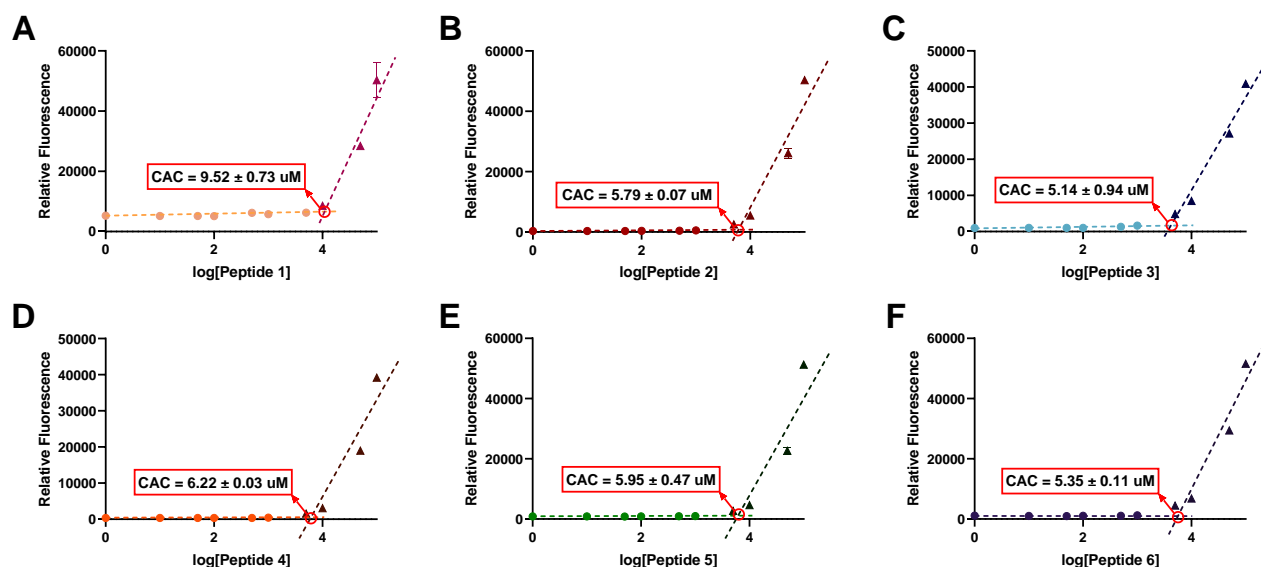
<sup>1</sup> Department of Chemistry and Biomolecular Sciences, Faculty of Science, University of Ottawa, Ottawa, Ontario, K1N 6N5, Canada

<sup>2</sup> School of Nutrition Sciences, Faculty of Health Sciences, University of Ottawa, Ottawa, Ontario, K1H 8M5, Canada

<sup>3</sup> Bioengineering, Faculty of Life Science, Rhine-Wall University of Applied Sciences, Marie-Curie-Straße 1, 47533 Kleve, Germany

<sup>4</sup> Department of Plant, Food & Environmental Sciences, Dalhousie University, Truro, NS, B2N 5E3, Canada

\* Correspondence: cudenigw@uottawa.ca; Tel.: +1-(613)-562-5800 (ext. 6539).



**Figure S1.** Critical aggregation concentration (CAC) of the six ovalbumin-derived peptides. (A) Peptide 1 = IFYCPIAIM, (B) Peptide 2 = NIFYCPIAIM, (C) Peptide 3 = VLVNAIVFKGL, (D) Peptide 4 = YCPIAIMSA, (E) Peptide 5 = MMYQIGLF, and (F) Peptide 6 = VYSFSLASRL.