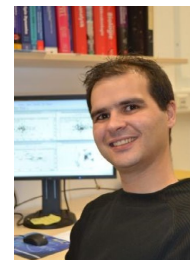


Aldino José Martins Viegas  
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## Qualifications

Structural Biochemistry, Doctorate, Molecular determinants of ligand specificity in carbohydrate-binding modules: an NMR and X-ray crystallography integrated study, Universidade NOVA de Lisboa

1 Mar 2008 → 28 Feb 2012

Award Date: 28 May 2012

Biochemistry, Bachelor, Determinantes Moleculares de especificidade nos CBMs da família 11, Universidade de Lisboa

1 Oct 2001 → 20 Sept 2006

Award Date: 20 Sept 2006

## Employment

### CEEC Assistant Investigator

Research Assistant

UCIBIO - Applied Molecular Biosciences Unit

Universidade NOVA de Lisboa

1 Nov 2017 → present

### Doctoral Student

Researcher

DQ - Departamento de Química

Universidade NOVA de Lisboa

Portugal

1 Mar 2008 → 28 May 2012

### Scientific internship

Researcher

CQFB-REQUIMTE - Centro de Química Fina e Biotecnologia (Lab. Associado REQUIMTE)

Universidade NOVA de Lisboa

2 Oct 2006 → 30 Sept 2007

### Researcher

Heinrich-Heine-Universität Düsseldorf

Düsseldorf, Germany

15 Sept 2013 → 30 Apr 2017

### Scientific Officer

Fundação para a Ciência e a Tecnologia

Lisboa, Portugal

15 May 2012 → 14 Apr 2013

## Research outputs

### The architecture of the 10-23 DNAzyme and its implications for DNA-mediated catalysis

Borggräfe, J., Gertzen, C. G. W., Viegas, A., Gohlke, H. & Eitzkorn, M., 7 Dec 2022, In: FEBS Journal. 11 p.

#### **Time-resolved structural analysis of an RNA-cleaving DNA catalyst**

Borggräfe, J., Victor, J., Rosenbach, H., Viegas, A., Gertzen, C. G. W., Wuebben, C., Kovacs, H., Gopalswamy, M., Riesner, D., Steger, G., Schiemann, O., Gohlke, H., Span, I. & Etzkorn, M., Jan 2022, In: *Nature*. 601, 7891, p. 144-149 6 p.

#### **Biophysical and pharmacokinetic characterization of a small-molecule inhibitor of RUNX1/ETO tetramerization with anti-leukemic effects**

Gopalswamy, M., Kroeger, T., Bickel, D., Frieg, B., Akter, S., Schott-Verdugo, S., Viegas, A., Pauly, T., Mayer, M., Przibilla, J., Reiners, J., Nagel-Steger, L., Smits, S. H. J., Groth, G., Etzkorn, M. & Gohlke, H., 2022, In: *Scientific Reports*. 12, 1, 18 p., 14158.

#### **A dual cohesin-dockerin complex binding mode in *Bacteroides cellulosolvens* contributes to the size and complexity of its cellulosome**

Duarte, M., Viegas, A., Alves, V. D., Prates, J. A. M., Ferreira, L. M. A., Najmudin, S., Cabrita, E. J., Carvalho, A. L., Fontes, C. M. G. A. & Bule, P., 1 Jan 2021, In: *Journal of Biological Chemistry*. 296, A84.

#### **Structural and dynamic insights revealing how lipase binding domain MD1 of *Pseudomonas aeruginosa* foldase affects lipase activation**

Viegas, A., Dollinger, P., Verma, N., Kubiak, J., Viennet, T., Seidel, C. A. M., Gohlke, H., Etzkorn, M., Kovacic, F. & Jaeger, K. E., 1 Dec 2020, In: *Scientific Reports*. 10, 1, 3578.

#### **Molecular basis for the preferential recognition of $\beta$ 1,3-1,4-glucans by the family 11 carbohydrate-binding module from *Clostridium thermocellum***

Ribeiro, D. O., Viegas, A., Pires, V. M. R., Medeiros-Silva, J., Bule, P., Chai, W., Marcelo, F., Fontes, C. M. G. A., Cabrita, E. J., Palma, A. S. & Carvalho, A. L., 1 Jul 2020, In: *FEBS Journal*. 287, 13, p. 2723-2743

#### **Diverse specificity of cellulosome attachment to the bacterial cell surface**

Brás, J. L. A., Pinheiro, B. A., Cameron, K., Cuskin, F., Viegas, A., Najmudin, S., Bule, P., Pires, V. M. R., Romão, M. J., Bayer, E. A., Spencer, H. L., Smith, S. P., Gilbert, H. J., Alves, V. D., Carvalho, A. L. & Fontes, C. M. G. A., 7 Dec 2016, In: *Scientific Reports*. 6, 12 p.

#### **Solution structure, dynamics and binding studies of a family 11 carbohydrate-binding module from *Clostridium thermocellum* ( Ct CBM11)**

Viegas, A., Sardinha, J., Freire, F., Duarte, DF., Carvalho, AL., Fontes, CM. G. A., Romão, MJ., Macedo, AL. & Cabrita, EJ., 15 Apr 2013, In: *Biochemical Journal*. 451, 2, p. 289-300 11 p.

#### **Inhibition of ovine in vitro fertilization by anti-Prt antibody: Hypothetical model for Prt/ZP interaction**

Pimenta, J., Sardinha, J., Marques, C. C., Domingos, A. G., Baptista, M. C., Barbas, J. P., Martins, I. C., Mesquita, P. R., Pessa, P. B., Soares, R., Viegas, A., Cabrita, E. J., Horta, A. E. M., Fontes, C. M. G. A., Prates, J. A. M. & Pereira, R. M. L. N., 26 Mar 2013, In: *Reproductive Biology and Endocrinology*. 11, 1, 25.

#### **NMR solution structure and SRP54M predicted interaction of the N-terminal sequence (1-30) of the ovine Doppel protein**

Viegas, A., Sardinha, J. & Cabrita, E. J. D. S., 1 Jan 2013, In: *Peptides*. 49, NA, p. 32-40

#### **Is prnt a pseudogene? identification of ram prt in testis and ejaculated spermatozoa**

Pimenta, J., Domingos, A., Santos, P., Marques, C. C., Cantante, C., Santos, A., Barbas, J. P., Baptista, M. C., Horta, A. E. M., Viegas, A., Mesquita, P., Gonçalves, J., Fontes, C. A., Prates, J. A. M. & Pereira, R. M. L. N., 24 Aug 2012, In: *PLoS ONE*. 7, 8, e42957.

#### ***Escherichia coli* expression, purification, crystallization, and structure determination of bacterial cohesin-dockerin complexes**

Brás, J. L. A., Carvalho, A. L., Viegas, A., Najmudin, S., Alves, V. D., Prates, J. A. M., Ferreira, L. M. A., Romão, M. J., Gilbert, H. J. & Fontes, C. M. G. A., 22 May 2012, In: *Methods in Enzymology*. 510, p. 395-415 21 p.

#### **Platinated DNA affects zinc finger conformation. Interaction of a platinated single-stranded oligonucleotide and the C-terminal zinc finger of nucleocapsid protein HIVNCp7.**

Viegas, A., Erhardt, S., Cabrita, E. J. D. S. & Farrell, N. P., 3 Feb 2012, In: *Biochemistry*. 51, 8, p. 1752-61

**Indole based cyclooxygenase inhibitors: synthesis, biological evaluation, docking and NMR screening.**

Estevão, M. S., Carvalho, L. D. C. C. R. D., Freitas, M., Viegas, A., Manso, J., Erhardt, S., Fernandes, E., Cabrita, E. J. D. S. & Marques, M. M. M. S. B., 1 Jan 2012, In: *European Journal of Medicinal Chemistry*. 54, NA, p. 823-833

**Binding of ibuprofen, ketorolac, and diclofenac to COX-1 and COX-2 studied by saturation transfer difference NMR.**

Viegas, A., Manso, J., Corvo, M. C., Marques, M. M. M. S. B. & Cabrita, E. J. D. S., 17 Nov 2011, In: *Journal Of Medicinal Chemistry*. 54, 24, p. 8555-8562

**Saturation-Transfer Difference (STD) NMR: A Simple and Fast Method for Ligand Screening and Characterization of Protein Binding**

Viegas, A., Manso, J. & Cabrita, E. J. D. S., 18 Apr 2011, In: *Journal of Chemical Education*. 88, 7, p. 990-994

**Ligand-based nuclear magnetic resonance screening techniques**

Viegas, A., Macedo, A. L. & Cabrita, E. J., 2009, *Ligand-Macromolecular Interactions in Drug Discovery*. Roque, A. C. (ed.). Totowa, NJ: Humana Press, p. 81-100 20 p. (Methods In Molecular Biology (Clifton, N.J.); vol. 572).

**Molecular determinants of ligand specificity in family 11 carbohydrate binding modules - An NMR, X-ray crystallography and computational chemistry approach**

Viegas, A., Brás, N. F., Cerqueira, N. M. F. S. A., Fernandes, P. A., Prates, J. A. M., Fontes, C. M. G. A., Bruix, M., Romão, M. J., Carvalho, A. L., Ramos, M. J., Macedo, A. L. & Cabrita, E. J., 1 May 2008, In: *FEBS Journal*. 275, 10, p. 2524-2535 12 p.