

# Stanford

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## Monica F Vidal

Director of Research Development and Services, Anesthesia

### Bio

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#### CURRENT ROLE AT STANFORD

Director of Research Development and Services

#### HONORS AND AWARDS

- Beatrice de Pinos Postdoctoral Fellowship, Generalitat de Catalunya
- Leonardo Fellowship, Graz University of Technology
- Erasmus Fellowship, University of Oviedo

#### EDUCATION AND CERTIFICATIONS

- Postdoctoral Fellow, University of California, Irvine , Biophysics
- PhD, Graz University of Technology , Biophysics
- B.Sc., University of Oviedo, Spain , Chemistry

### Publications

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#### PUBLICATIONS

- **Membrane Partitioning: "Classical" and "Nonclassical" Hydrophobic Effects** *JOURNAL OF MEMBRANE BIOLOGY*  
Fernandez-Vidal, M., White, S. H., Ladokhin, A. S.  
2011; 239 (1-2): 5-14
- **CD Spectroscopy of Peptides and Proteins Bound to Large Unilamellar Vesicles** *JOURNAL OF MEMBRANE BIOLOGY*  
Ladokhin, A. S., Fernandez-Vidal, M., White, S. H.  
2010; 236 (3): 247-253
- **Insertion of short transmembrane helices by the Sec61 translocon** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Jaud, S., Fernandez-Vidal, M., Nilsson, I., Meindi-Beinker, N. M., Huebner, N. C., Tobias, D. J., von Heijne, G., White, S. H.  
2009; 106 (28): 11588-11593
- **Liposome destabilization induced by synthetic lipopeptides corresponding to envelope and non-structural domains of GBV-C/HGV virus. Conformational requirements for leakage** *BIOPHYSICAL CHEMISTRY*  
Fernandez-Vidal, M., Rojo, N., Herrera, E., Gomara, M. J., Haro, I.  
2008; 132 (1): 55-63
- **3D-Structure of the interior fusion peptide of HGV/GBV-C by 1H NMR, CD and molecular dynamics studies** *ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS*  
Mazzini, S., Fernandez-Vidal, M., Galbusera, V., Castro-Roman, F., Bellucci, M. C., Ragg, E., Haro, I.  
2007; 465 (1): 187-196

- **Folding amphipathic helices into membranes: Amphiphilicity trumps hydrophobicity** *JOURNAL OF MOLECULAR BIOLOGY*  
Fernandez-Vidall, M., Jayasinghe, S., Ladokhin, A. S., White, S. H.  
2007; 370 (3): 459-470
- **Application of a chimeric synthetic peptide in the development of a serologic method for the diagnosis of hepatitis G virus infection** *PROTEIN AND PEPTIDE LETTERS*  
Fernandez-Vidal, M., CUBERO, M. D., Ercilla, G., Gomara, M. J., Haro, I.  
2007; 14 (9): 865-870
- **Structural, dynamic and mechanical properties of POPC at low cholesterol concentration studied in pressure/temperature space** *EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS*  
Rappolt, M., Vidal, M. F., KRIECHBAUM, M., Steinhart, M., Amenitsch, H., Bernstorff, S., Laggner, P.  
2003; 31 (8): 575-585