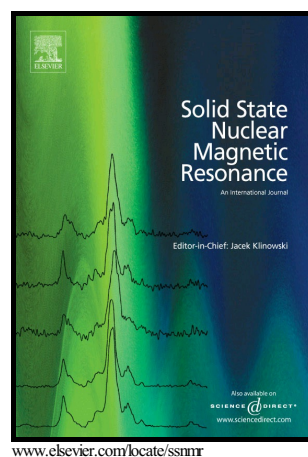


## Author's Accepted Manuscript

Protein conformational dynamics studied by  $^{15}\text{N}$  and  $^1\text{H}$   $R_{1\rho}$  relaxation dispersion: application to wild-type and G53A ubiquitin crystals

Diego F. Gauto, Audrey Hessel, Petra Rovó, Vilius Kurauskas, Rasmus Linser, Paul Schanda



PII: S0926-2040(17)30006-1  
DOI: <http://dx.doi.org/10.1016/j.ssnmr.2017.04.002>  
Reference: YSNMR789

To appear in: *Solid State Nuclear Magnetic Resonance*

Received date: 25 January 2017  
Revised date: 1 April 2017  
Accepted date: 12 April 2017

Cite this article as: Diego F. Gauto, Audrey Hessel, Petra Rovó, Vilius Kurauskas, Rasmus Linser and Paul Schanda, Protein conformational dynamic studied by  $^{15}\text{N}$  and  $^1\text{H}$   $R_{1\rho}$  relaxation dispersion: application to wild-type and G53A ubiquitin crystals, *Solid State Nuclear Magnetic Resonance* <http://dx.doi.org/10.1016/j.ssnmr.2017.04.002>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# Protein conformational dynamics studied by $^{15}\text{N}$ and $^1\text{H}$ $R_{1\rho}$ relaxation dispersion: application to wild-type and G53A ubiquitin crystals

Diego F. Gauto<sup>1,2,3</sup>, Audrey Hessel<sup>1,2,3</sup>, Petra Rovó<sup>4</sup>, Vilius Kurauskas<sup>1,2,3</sup>, Rasmus Linser<sup>4</sup>, Paul Schanda<sup>1,2,3</sup>

<sup>1</sup>Université Grenoble Alpes, IBS, F-38044 Grenoble, France.

<sup>2</sup>CEA, Institut de Biologie Structurale, F-38044 Grenoble, France.

<sup>3</sup>CNRS, Institut de Biologie Structurale, F-38044 Grenoble, France.

<sup>4</sup>Ludwig-Maximilians-Universität, Department Chemie, D-81377 München, Germany.

Keywords: proton detection, fast MAS, spin relaxation, protein dynamics, proton relaxation,  $\beta$ -turn, solid-state NMR

Download English Version:

<https://daneshyari.com/en/article/7844579>

Download Persian Version:

<https://daneshyari.com/article/7844579>

[Daneshyari.com](https://daneshyari.com)