

## Accepted Manuscript

Quantitative analysis of protein–ligand interactions by NMR

Ayako Furukawa, Tsuyoshi Konuma, Saeko Yanaka, Kenji Sugase

PII: S0079-6565(16)00008-X

DOI: <http://dx.doi.org/10.1016/j.pnmrs.2016.02.002>

Reference: JPNMRS 1419

To appear in: *Progress in Nuclear Magnetic Resonance Spectroscopy*

Received Date: 19 November 2015

Accepted Date: 21 February 2016

Please cite this article as: A. Furukawa, T. Konuma, S. Yanaka, K. Sugase, Quantitative analysis of protein–ligand interactions by NMR, *Progress in Nuclear Magnetic Resonance Spectroscopy* (2016), doi: <http://dx.doi.org/10.1016/j.pnmrs.2016.02.002>

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 proof before it is published in its final 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.



**Quantitative analysis of protein–ligand interactions by NMR**

Ayako Furukawa <sup>a,b</sup>, Tsuyoshi Konuma <sup>a,c</sup>, Saeko Yanaka <sup>a,d</sup>, Kenji Sugase <sup>a,e,\*</sup>

\* Corresponding author.

*E-mail address:* sugase@moleng.kyoto-u.ac.jp (K. Sugase).

TEL: +81-75-383-7063

FAX: +81-75-383-2541

<sup>a</sup> *Bioorganic Research Institute, Suntory Foundation for Life Sciences, 1-1-1 Wakayamadai, Shimamoto, Mishima, Osaka 618-8503, Japan*

<sup>b</sup> *Graduate School of Medical Life Science, Yokohama City University, 1-7-29 Suehiro-cho, Tsurumi-ku Yokohama 230-0045, Japan*

<sup>c</sup> *Department of Structural and Chemical Biology, Icahn School of Medicine at Mount Sinai, New York, New York 10029, USA*

<sup>d</sup> *Department of Life and Coordination-Complex Molecular Science, Biomolecular Functions, Institute of Molecular Science, National Institute of Natural Sciences*

<sup>e</sup> *Department of Molecular Engineering, Graduate School of Engineering, Kyoto University, Kyoto-Daigaku Katsura, Nishikyo-Ku, Kyoto 615-8510, Japan*

Keywords: protein-ligand interaction; relaxation; chemical exchange; chemical shift timescale; kinetics

Download English Version:

<https://daneshyari.com/en/article/5419468>

Download Persian Version:

<https://daneshyari.com/article/5419468>

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