MRS SYMPOSIUM JJ

Volume 1796 • 2015 MRS Spring Meeting

Exploiting Bioinspired Self-Assembly for the Design of Functional and Responsive Materials

EDITORS

Alberto Saiani Darrin Pochan Sarah Heilshorn Guillaume Saint-Pierre

A publication of the

MRS MATERIALS RESEARCH SOCIETY®
Advancing materials. Improving the quality of life

MRS Online Proceedings Library

Editorial Board

Editorial Board Chair:

Michelle L. Oyen, Cambridge University, United Kingdom

Editorial Board Members:

David Bahr, Purdue University, USA

Asa Barber, Queen Mary University of London, United Kingdom

Frank del Rio, National Institute of Standards and Technology, USA

Marilyn L. Minus, Northeastern University, USA

Roger Narayan, North Carolina State University, USA

The MRS Online Proceedings Library (ISSN: 1946-4274) features over 100,000 peer-reviewed papers presented at MRS Meetings. The proceedings papers can be viewed by meeting or topic, and are fully searchable.

Manuscripts: Information on article submission may be found at the *MRS Online Proceedings Library* homepage at http://journals.cambridge.org/opl.

Subscriptions: Institutions and libraries which are not current customers may purchase a 12-month unlimited access package to all MRS proceedings volumes/papers that are available online. To find out how to purchase OPL please contact: online@cambridge.org, in the Americas, or library.sales@cambridge.org, in the rest of the world.

Copyright © 2015, Materials Research Society. All rights reserved. No part of this publication may be reproduced, in any form or by any means, electronic, photocopying, or otherwise, without permission in writing from Cambridge University Press. Policies, request forms and contacts are available at: http://www.cambridge.org/rights/permissions/permission.htm. Permission to copy (for users in the USA) is available from Copyright Clearance Center http://www.copyright.com, email: info@copyright.com.

MATERIALS RESEARCH SOCIETY SYMPOSIUM JJ VOLUME 1796

Exploiting Bioinspired Self-Assembly for the Design of Functional and Responsive Materials

Symposium held April 6-10, 2015, San Francisco, California, U.S.A.

EDITORS

Alberto Saiani

University of Manchester Manchester, United Kingdom

Darrin Pochan

University of Delaware Newark, Delaware

Sarah Heilshorn

Stanford University Stanford, California

Guillaume Saint-Pierre

PeptiGelDesign.Ltd Chesire, United Kingdom



Materials Research Society Warrendale, Pennsylvania



ISSN: 1946-4274

CONTENTS

Fluorescent Rosette Nanotubes from the C-analogue of the	
Guanine-Cytosine (GAC) Motif	1
Belete Legesse, Jae-Young Cho, Rachel L. Beingessner,	
Takeshi Yamazaki, and Hicham Fenniri	