

ORCA - Online Research @ Cardiff

This is an Open Access document downloaded from ORCA, Cardiff University's institutional repository:https://orca.cardiff.ac.uk/id/eprint/98668/

This is the author's version of a work that was submitted to / accepted for publication.

Citation for final published version:

Fahnert, Beatrix 2017. Happy birthday to us - the professional development section is 2 years old. FEMS Microbiology Letters 364 (4), fnx013. 10.1093/femsle/fnx013

Publishers page: http://dx.doi.org/10.1093/femsle/fnx013

Please note:

Changes made as a result of publishing processes such as copy-editing, formatting and page numbers may not be reflected in this version. For the definitive version of this publication, please refer to the published source. You are advised to consult the publisher's version if you wish to cite this paper.

This version is being made available in accordance with publisher policies. See http://orca.cf.ac.uk/policies.html for usage policies. Copyright and moral rights for publications made available in ORCA are retained by the copyright holders.



1	
2	
3	Title:
4	Happy Birthday to Us - The Professional Development Section is Two Years Old.
5	
6	
7	Beatrix Fahnert
8	Cardiff School of Biosciences, Cardiff University, Museum Avenue, PO Box 911, Cardiff CF10 3AX
9	Wales, UK
10	Phone: ++442920870250
11	Email: FahnertB@cardiff.ac.uk
12	
13	
14	Running title:
15	2 Years PD Section
16	
17	Graphical Abstract:
18	as attached
19	
20	Word count:
21	893
22	
23	
24	

- 25 The Professional Development Section -a new venture of FEMS Microbiology Letters- is already
- 26 celebrating two years of providing the community with timely articles of interest to microbiologists at
- various stages of their career.
- 28 Where article usage information was available by end of 2016, Mendeley demographics placed our
- valued readership around the globe (e.g. China, Mexico, South Africa, United Kingdom, United
- 30 States). Most readers identified as postgraduate students, but also undergraduates, researchers and
- 31 academics at all career levels have frequently been interested in our articles. As initially intended, we
- 32 have successfully reached colleagues in microbiology and related disciplines as well as in various
- biological and biomedical sciences. We are excited to have extended the audience of our section also
- into the world of business, computer science, design, engineering, humanities, mathematics,
- 35 philosophy, psychology and social sciences given the transferable aspects of Professional
- 36 Development, e.g. related to education.
- How are we doing otherwise? Becoming more independent and beginning to run are important
- 38 milestones for a toddler by two years according to the Centers for Disease Control and Prevention
- 39 (2016). Well, this has indeed been happening for the Professional Development Section. In 2015 we
- 40 published five MiniReviews and six in 2016, seven and then six Research Letters, and five and then
- 41 14 Commentaries. We are delighted that authors from more than 15 countries around the world
- submitted their manuscripts to our section. About 10 % of authors had got a non-microbiology
- background and about further 10 % had got a non-biological background.
- We have already covered hot topics from antimicrobial agents and clinical microbiology training to
- 45 emerging pedagogies and outreach, from professional identity to academic professional development,
- 46 from employability to mobility, and from peer review to history of microbiology. In November 2015
- 47 we celebrated the launch of our Thematic Issue on Education
- 48 (http://femsle.oxfordjournals.org/page/thematic-issue-education), and in mid 2016 the launch of the
- 49 Thematic Series of Spotlights, which aims to inspire the next generation by illustrating the work and
- 50 life of microbiologists. I will cover this series in more detail another time. Positive feedback from our
- readership welcomed that *FEMSLE* acknowledged the importance of microbiology education and the
- scholarship of teaching and learning.
- 53 It is impossible to directly compare overall access and download figures for our articles given the
- varying times of publication, level of promotion and whether they are Open Access or not. Instead I
- 55 looked at general trends, averages and some highlights from our inception to November 2016
- 56 inclusive. Every month every abstract of the Professional Development Section is being accessed in
- average 83 times, every paper fully accessed 25 times and every pdf downloaded 15 times. The so far
- 58 highest counts in just one single month for full paper access (430 times) and pdf downloads (230
- 59 times) as well as the highest average pdf downloads per month were achieved by Kelwick et al.
- 60 (2015) for their MiniReview about the International Genetically Engineered Machines competition.
- The most accessed abstracts (1016 and 857 times, respectively) in one single month were recorded in

62	2015 for Redfern and Verran's article on microbiology professionals' scientific identity, and in 2016
63	for Karbownik et al. on board game versus lecture. With about 100 times every month, the so far

64 highest average full access numbers have been seen each for Fahnert (2016) reviewing the Thematic

Issue on Education, Cotton et al. (2016) discussing perceptions of peer review in the community, and

Jansson (2016) being in the spotlight; as well as the highest average pdf downloads every month have

been seen for Cossart (2016) being in the spotlight. With more than 200 times every month, the so far

highest average abstract access figures have been counted each for O'Malley (2016; philosophy issues

of microbiology), Sonnenborn (2016; E. coli Nissle strain), Lofgren (2016; mathematical modelling

and zombies) and Rodrigues et al. (2016; international mobility). These figures compare well with the

other sections of *FEMSLE*, and we have already been pleased to see external citations of about a third

of our papers.

67

68

75

73 We have very much enjoyed developing and growing for you, and we are already working on and

looking forward to what you can expect in 2017 and beyond. We are anticipating to see topics such as

doctoral education, bridging the academia-industry gap, students as researchers, evidence-based

teaching, inclusive pedagogies and gamification. A Thematic Series on Careers will be launched,

77 where Bob Dolan from the Massachusetts Institute of Technology will cover issues from job search

strategies to questions one can ask in a job interview. We had already hoped to provide perspectives

79 from women in Science, Technology, Engineering and Mathematics around the globe as well as

80 discussions of citation metrics and related aspects, but only few potential authors had come forward

and hopefully more will feel encouraged to in the future.

82 Many thanks for your interest in our section so far. I hope you keep enjoying our coverage, and that

83 you will find much inspiration for your practice. Do not he sitate to get in touch with me with

84 questions and suggestions. I am extending an invitation to submit suitable manuscripts.

85 I would also like to thank all our authors, Handling Editors and reviewers, the production and

marketing team at *FEMSLE* and OUP, and the *FEMSLE* Editor-in-Chief.

87 For our Professional Development Section "many happy returns of the day" means: keeping receiving

88 high-quality submissions and being read. We will keep doing our best in support of the community.

Beatrix Fahnert, Section Editor Professional Development, FEMS Microbiology Letters.

92

89 90

91

93

References

- 94 Centers for Disease Control and Prevention. Important Milestones: Your Child By Two Years
- 95 [online]. Available from: https://www.cdc.gov/ncbddd/actearly/milestones/milestones-2yr.html
- 96 [accessed 30 December 2016]
- 97 Cossart P. Spotlight on... Pascale Cossart. FEMS Microbiol Lett 2016;363, DOI:
- 98 10.1093/femsle/fnw215.

- 99 Cotton C, Bowater L, Bowater RP. Microbiology survey shows authors have most to gain from peer
- review. FEMS Microbiol Lett 2016;**363**, DOI: 10.1093/femsle/fnw205.
- Fahnert B. Edging into the future: education in microbiology and beyond. FEMS Microbiol Lett
- 102 2016;**363**, DOI: 10.1093/femsle/fnw048.
- Jansson JK. Spotlight on... Janet K. Jansson. FEMS Microbiol Lett 2016;363, DOI:
- 104 10.1093/femsle/fnw135.
- 105 Karbownik MS, Wiktorowska-Owczarek A, Kowalczyk E et al. Board game versus lecture-based
- seminar in the teaching of pharmacology of antimicrobial drugs—a randomized controlled trial.
- 107 *FEMS Microbiol Lett* 2016;**363**, DOI: 10.1093/femsle/fnw045.
- 108 Kelwick R, Bowater L, Yeoman KH et al. Promoting microbiology education through the iGEM
- synthetic biology competition. FEMS Microbiol Lett 2015;362, DOI: 10.1093/femsle/fnv129.
- Lofgren ET. Unlocking the black box: teaching mathematical modeling with popular culture. FEMS
- 111 *Microbiol Lett* 2016;**363**, DOI: 10.1093/femsle/fnw225.
- O'Malley MA. Microbiology, philosophy and education. *FEMS Microbiol Lett* 2016;**363**, DOI:
- 113 10.1093/femsle/fnw182.
- Redfern J, Verran J. What is a microbiologist? A survey exploring the microbiology workforce.
- 115 *FEMS Microbiol Lett* 2015;**362**, DOI: 10.1093/femsle/fnv208.
- Rodrigues ML, Nimrichter L, Cordero RJB. The benefits of scientific mobility and international
- collaboration. FEMS Microbiol Lett 2016;**363**, DOI: 10.1093/femsle/fnw247.
- Sonnenborn U. Escherichia coli strain Nissle 1917 from bench to bedside and back: history of a
- special Escherichia coli strain with probiotic properties. FEMS Microbiol Lett 2016;363, DOI:
- 120 10.1093/femsle/fnw212.