

## 2021 3rd Quarterly vetSIG Meeting (April 30<sup>th</sup>, 2021)

### Observer Reports

The meeting was held on Friday, July 30<sup>th</sup>, 2021. The taster of veterinary medical writing and main item was the talk *One Health, distributed manufacturing and medical writers' expertise* by Jennifer Bell. This was followed by a report on the results of a survey of the veterinary medical writing/communication community, by Henry Smith.

We have two observer reports, one for each of the main topic presented at the meeting, to provide readers with the perspective of an individual audience member for each part.

The slides for Part 1 can be seen on pages 3~5, and those for Part 2 on pages 6~9.

#### *Report Part 1: One Health, distributed manufacturing and medical writers' expertise*

Jen's talk was based on her experience as co-author of the paper in *Build a Sustainable Vaccines Industry with Synthetic Biology* in Trends in Biotechnology (the paper can be downloaded here: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7834237/>). At the heart of the concept in their paper was the bio-foundry—a small-scale, manufacturing unit that can swing onto vaccine production as soon as it has received the relevant digital code. This would facilitate cheaper vaccine production and substantially shorter supply chains (specifically cold chains), an improvement on the current centralized and capital-intensive model of the vaccines industry, of particular relevance during the current COVID pandemic.

Starting with the link to *One Health*, Jen pointed out a number of ways that bio-foundries could benefit human and animal health. In addition to the many practical and ethical aspects, Jen highlighted one point of great interest to all medical writers. Jen and her co-authors came up with 23 ideas in a brainstorming session; their next job as medical communicators was to convert the raw ideas into section headings and text, a key skill for all of us. From there, the discussion broadened to cover Norwegian salmon—for them, could the age of antibiotics be over? (opinions differed)—and the feasibility of mobile bio-foundries (the barriers may be regulatory rather than physical).

Finally, Jen touched on publication of novel ideas and the future for bio-foundry medical writing. She suggested that authors need to weight up the magnitude of the impact factor and the “goodness of fit” when selecting where to publish a “Eureka” concept. High

impact factors are great of course, but if there is a risk of the article being incorrectly pigeonholed or subject to a reference cap, it may be worth looking at another journal. The writing for this project has so far involved journal articles, but as the concept moves to fruition, we can expect many more opportunities for medical writers, especially in the freelance field. We can be glad Jen and her fellow-authors have found a good audience for their research, and look forward to exciting developments with the advance of bio-foundries.

*Henry Smith*

## **Part 2. Survey Report**

The purpose of the survey was to characterize EMWA vetSIG participants, and other veterinary medical writers and communicators. The survey included eight questions, the first three of which covered work-related demographics. Respondents had apparently come into diverse areas of veterinary medical communication by diverse routes in most cases, although there were other cases where people hoped to enter the field, and one or two where they had left it. Though specific occupations were not clarified, participants mostly worked in medical/veterinary regulatory, journal article and comms fields. Participants were mainly from Europe (especially, but not exclusively Germany and Austria), and “Specific training” and “Career advice sharing” were the most commonly cited purposes for their participation. The most extensively discussed result was that for the supplementary question on the species the participants focus on. As expected, domestic dogs had the highest ranking, but in out-of-the-blue result, humans also shared the first ranking.

Respondents and participants also shared suggestions and comments for the vetSIG as well. These included the inclusion of topics related such as freelance writing, and activities that could satisfy members with different backgrounds. This point was followed by a comment on presentations in structured meetings to cover those different backgrounds. The discussion also mentioned that the association should include members globally. The meeting closed with reminders of the next events.

*Hui-Wen Chen*

# 3<sup>rd</sup> quarterly Meet&Share in 2021



30 Jul 2021, 3 pm, CET



One Health,  
distributed manufacturing and  
medical writers' expertise

“Meet&Share” Vet SIG

Free for all in 2021 – only for EMWA  
members from 2022

*'One Health' is an approach to designing and implementing programmes, policies, legislation and research in which multiple sectors communicate and work together to achieve better public health outcomes.*

- World Health Organisation  
<https://www.who.int/news-room/q-a-detail/one-health>

## GMO ethical issues relate to big companies selling expensive technologies that underprivileged communities can't afford

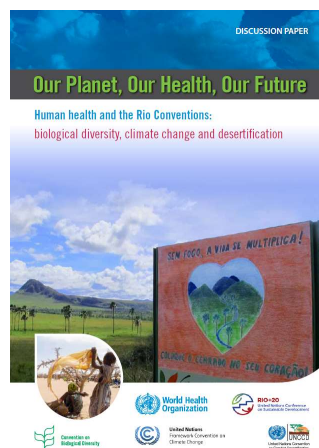
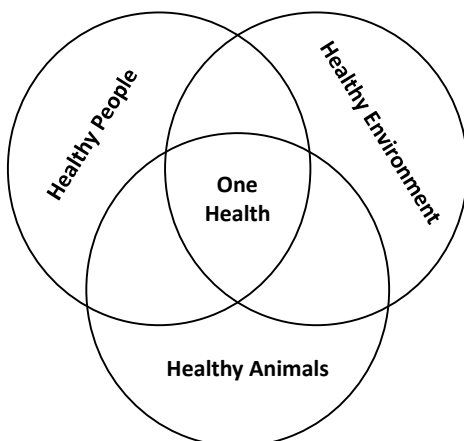
Please read this opinion piece:

**Build a Sustainable Vaccines Industry with Synthetic Biology**

[https://www.cell.com/trends/biotechnology/fulltext/S0167-7799\(20\)30331-0](https://www.cell.com/trends/biotechnology/fulltext/S0167-7799(20)30331-0)

*'One Health' is an approach to designing and implementing programmes, policies, legislation and research in which multiple sectors communicate and work together to achieve better public health outcomes.*

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<https://www.who.int/news-room/q-a-detail/one-health>





Things we thought about became article headings:

- Building sustainable industries
- How production models are changing
- Sustainability
- Distributed manufacturing
- Synthetic biology
- Disease outbreak vigilance
- Mobile labs used commonly in Africa
- Other technologies already in use
- Economic viability
- Operations robustness, standardization and quality
- Responsive regulation
- Cybersecurity
- Talent, education and skills
- Competition
- Other sectors where distributed manufacturing works
- Economic growth
- Overcoming challenges with current manufacturing methods
- Local essential medicines production
- Biomedical science
- Disruption
- Dairy farming and genomics
- Aquaculture, antibiotics and vaccines
- Funding

Headings from:

Bell, J., Philp, J. and Kitney, R.I. (2021). Addressing the post-COVID era through engineering biology. *Engineering Biology*, 5, 21-34.

Kitney, R.I., Bell, J. and Philp, J. (2020). Build a sustainable vaccines industry with synthetic biology. *Trends in Biotechnology*.

Available in [cited 08 May 2021]: <https://doi.org/10.1016/j.tibtech.2020.12.006>



## Bibliography

Bell, J. (2019). A black box: Improving quality control risk management in biopharmaceutical transportation. *Quasar*, 148, 8 – 11.

Bell, J. (2021). Build a sustainable vaccines industry with synthetic biology - a summary. *Quasar*, 156, 28 – 31.

Bell, J. (2021). Distributed manufacturing of accessible treatments. *Quasar*, 156, 12.

Bell, J., Philp, J. and Kitney, R.I. (2021). Addressing the post-COVID era through engineering biology. *Engineering Biology*, 5, 21-34.

Global Biofoundries Alliance website. Available in [cited 30 July 2021]: <https://biofoundries.org/>

Kitney, R.I., Bell, J. and Philp, J. (2020). Build a sustainable vaccines industry with synthetic biology. *Trends in Biotechnology*. Available in [cited 30 July 2021]: <https://doi.org/10.1016/j.tibtech.2020.12.006>

Research Quality Association news snippet (2021). Available in [cited 30 July 2021]: <https://www.therqa.com/news/r3-rna-readiness-and-response/>

Scheuber, A. (2020). Imperial [College London] social enterprise to accelerate low-cost COVID-19 vaccine, Available in [cited 30 July 2021]: <https://www.imperial.ac.uk/news/198053/imperial-social-enterprise-accelerate-low-cost-covid-19/#authorbox>



### Item 3: Survey Report

- Main survey (MS) > 7 questions related to veterinary medical communication (VMC)
- 1 supplementary question (SQ) > species
- Aim: Define/Characterize the VMC community, as useful information for planning vetSIG activities



### Survey Participation

- Respondents: 32 (MS); 19 for SQ (species)
- 70/30 split established vs. not established
- 75/25 split DVMs vs. FoVs

#### Discussion Point

- Good SIG size with potential to grow
- Activities matching a base of 30~40 people (avoid underdeliver and/or overpromise)



### Q1. Which area(s) of VMW do you work in?

ANSWER CHOICES	RESPONSES
Veterinary medicinal product (regulatory, vet ICH)	25.67%
Vet/Animal related research for human drug/device (regulatory, ICH)	10.00%
Public health / One health	10.00%
Communicating with professional audience (articles, presentations, etc.)	46.67%
Communicating with lay audience (stakeholders in vet medicine)	36.67%
Continuing veterinary education	16.67%
Other (please specify)	23.33%

Other  
• Not yet / HMW



### Q2. Which statement best describes your professional route into VMW/C?


ANSWER CHOICES	RESPONSES
Veterinary work > VMW	34.38%
Other medical / research work > VMW	15.63%
Writing / Communications specialist > VMW	6.25%
Not in VMW now, but possible future interest in VMW	28.13%
Other (please specify)	15.63%

#### Other (encapsulation):

- Animal research > VMW > **HMW**
- DVM > Other medical > Research > VMW

Regulatory  
Toxicology





 **Q3. Which statement best describes your current working condition?**

ANSWER CHOICES	RESPONSES
Full time VMW/ Vet Comms (company employee)	18.75%
Full time VMW/ Vet Comms (freelance, self-employed)	12.50%
Working veterinarian who does some VMW/ Vet Comms	6.25%
Other medical work / researcher who does some VMW/ Vet Comms	12.50%
Medical writer (inc. human medicine) who does some VMW/ Vet Comms	15.63%
Other (please specify)	34.38%

Other:


- HMW, medical journalist (mainly human), human regulatory, editor (VMW rare), quality and regulatory, university teacher


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 **Qs 1~3. Demographics: Discussion Points**

Background, professional odyssey, and current status all suggest:


- No single definition of VWWer / VMCer: Very diverse (+), Hard to please everyone (-)
- Hopefuls, Newbies, Veterans, Vexit-eers
- **Journal article, Coms, Regulatory equally all well represented**
- **More employed than freelance?**


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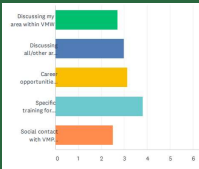
 **Q4. Please rank the following as a wish list for vetSIG meetings/events**

	1	2	3	4	5	TOTAL	SCORE
Discussing my area within VMW	16.67%	16.67%	20.00%	16.67%	30.00%	30	2.73
Discussing all/other areas of VMW	10.00%	20.00%	36.67%	26.67%	6.67%	30	3.00
Career opportunities/development in VMW	29.03%	19.35%	6.45%	25.81%	19.35%	31	3.13
Specific training for VMW tasks	40.00%	30.00%	10.00%	10.00%	10.00%	30	3.80
Social contact with VMP professionals (vets and friends of vets).	6.45%	16.13%	29.03%	19.35%	29.03%	31	2.52


Does the raw data seem confusing?

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 **Q4. Please rank the following as a wish list for vetSIG meetings/events**



It is confusing (to me)! No central tendency (I think, but best statistical test?)

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#### Q4. Preference List: Discussion Point

- Training / Career development seem popular (especially for non-established)
- Difficult to fully incorporate into Meet&Share?
- Proactively solicit training/career-related questions for discussion slot
- Webinars, workshops, etc. (future collaborative writing workshops?)
- May not be possible to satisfy everyone every time
- Tie-in with outreach activities?



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#### Q5. In which country/countries are you and your employer/clients mainly based?



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Excluding

- Extra-European responses (n=9); Supra-national European responses (n=4)



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#### Q5. Geographical distribution: Discussion Points



- Global dimension is nice (are we the only global SIG of our kind?)
- Long-term link-ups with American/Australasian MWAs?




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 **Q6. Can you describe in one or two sentences your future career plan/goals for VMW?**

Encapsulation

- Writing for lay audiences and vetICH: common
- Combining VMW with other work: common (with VMC as a smaller part of work)
- Develop regulatory specialization
- Expecting little-to-no VMC work, but interested
- Want to get into VMC field generally
- Continuing veterinary education
- Keep in touch with field after leaving
- Lead writer in a sub-specialized field

• Diversity extends to aspiration


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 **Q7. Do you have any comments or suggestions for the vetSIG?**

Encapsulation (difficult in 1 slide)


- Structured meetings with a speaker
- ~~Recorded~~/ Reported quarterly SIG meetings?
- Forum
- More regulatory (and VMW regs <-> HMW regs)
- Career advice

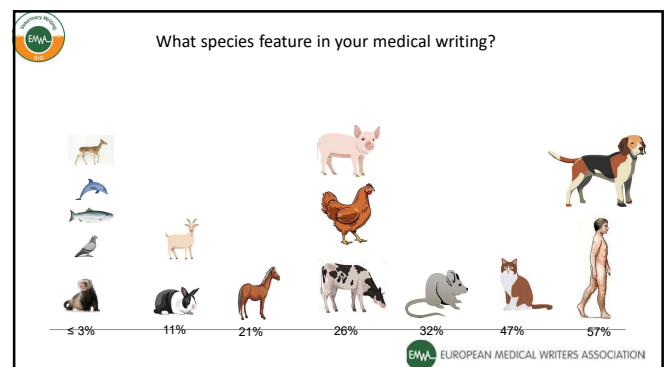
• Thank you to positive messages as responses to this question


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 **SQ: What species feature in your medical writing?**

- Most exciting part of the survey!
- Trying to find out are VMWers as specialized as DVWs (e.g. small animal surgery, large animal, etc.)
- Aimed for species that have recently featured (not every animal ever written about)
- Let's look at results


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## Featured Species: Discussion Point

- VMCers are diverse in what we write about
- Could this be a career plus (for vets that want to range widely?)

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