

It is our great pleasure to bring you the latest edition of the newsletter of the Controlled Release Society Focus Group in Nanomedicine and Nanoscale Delivery (CRS FG NND). This sixth newsletter brings you the highlights of the CRS 2020 Virtual Annual Meeting, and the upcoming activities developed by our FG. Do not forget to visit our [webpage](#) and to follow us on social media!

Highlights of the CRS 2020 Virtual Annual Meeting

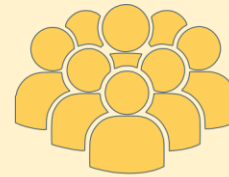


PROF. HÉLDER A. SANTOS, University of Helsinki Finland
Chair of the CRS FG NND

As a consequence of the COVID-19 pandemic, the last CRS Annual Meeting was organized virtually for the first time ever, gathering also the highest audience ever, with more than 1400 attendees worldwide. Despite the lack of human interactions, the CRS2020 Virtual Annual Meeting was a success, with 51 selected presentations, 62 invited speakers, a total of 163 talks, 197 on-demand presentations, and 346 e-posters. There is no doubt that, even in the most demanding times, the CRS community can come together and make the most successful virtual conference in the world. We took the lead of the FG slightly more than a year ago, and this was the most challenging event we had to organize, but, in the end, it was also very rewarding, both professionally and personally. In this meeting, we also had the possibility to discuss with our CRS FG NND members, where I had the pleasure to share the current and future activities of our FG, as well as to receive feedback how our FG could come even closer to its members and on how to build this community together. Thank you all for attending our membership meeting and for being so active. We truly enjoyed discussing with all of you and we will try to put in practice the suggestions given to our FG. We then had an outstanding scientific session, with more than 150 online attendees. I had the pleasure to moderate this session together with our FG vice-chair Dr. Maria de la Fuente. We assisted to two fantastic invited keynote speakers: Dr. Patrick Baumhof (CureVac, Germany) from the industry, and Prof. Maria Jesus Vicent (Príncipe Felipe Research Center, Spain) from academia, who discussed their latest research works on RNA-antibody therapeutics for vaccines, and polypeptide-based nanotherapeutics for central nervous system disorders, respectively. These talks were followed by the talks of this year's awardees: Prof. Diego Ferreira (Universidade Federal de Minas Gerais, Brazil), who received the Young Investigator Award, and PhD candidate Kristine Lai (Cornell University, USA), who received the Trainee Award. Our session was completed with three short oral communications by outstanding young researchers, presented by Prof. Avi Schroeder (Technion - Israel Institute of Technology, Israel; Translational Research Awardee), PhD candidate Yutong Guo (Georgia Institute of Technology, USA; Fundamentak Research Awardee) and PhD candidate Paz Boix-montesinos (Príncipe Felipe Research Center, Spain; Video Competition Awardee). We would like to thank you all once again for the fantastic talks and to congratulate you for the very well deserved awards. This would have not been possible without your great input. The last word goes to our FG Board members, who worked together for several months, in connection with the CRS, to bring this session to all our members and attendees, and I could not be more proud and honored to have worked with all of you in this past year. Our aims for the 2020-2021 term remain the same as before and are still ambitious: (1) To continue actively promoting the nanomedicine field and bring this community closer to the general public; (2) To continue organizing webinars (see below) with experts in the field for our FG members; (3) To continue with the our newsletters publications (3 times a year); (4) To organize and/or support workshops in nanomedicine specially directed to the young members of our FG; (5) To organize a high-level scientific session in the next CRS meeting in Montreal (Canada); (6) To organize an e-poster competition; (7) To carry out coordinated joint activities between the FG and the local CRS communities in different countries; (8) To organize a joint web-event with the CRS YSC; and (9) To meet our members and discuss with them more regularly.

Together, we are making an impact in the field of nanomedicine. If you want to be part of this fantastic and disruptive community, join us as a member of our FG, and do not forget to attend the next CRS meeting in Montreal! We are looking forward to continue working together with all our members and to welcome new members in the FG NND! ■

#CRS2020vAM



1,400+
ATTENDEES

800+
**POSTER SESSIONS
& ON-DEMAND TALKS**



20+
AWARDS PRESENTED

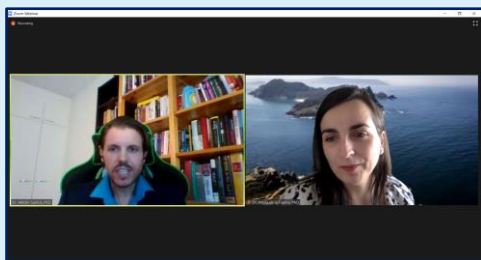


PROF. DIEGO FERREIRA, Federal University of Minas Gerais
Young Investigator Award



KRISTINE LAI, Cornell University
Trainee Award

FG NND Scientific Session in “pictures”



Prof. Hélder Santos and Dr. Maria de la Fuente
Moderators



Dr. Patrick Baumhof
Keynote Speaker



Prof. María J. Vicente
Keynote Speaker



Prof. Diego Ferreira
Awardee/Speaker



Kristine Lai
Awardee/Speaker



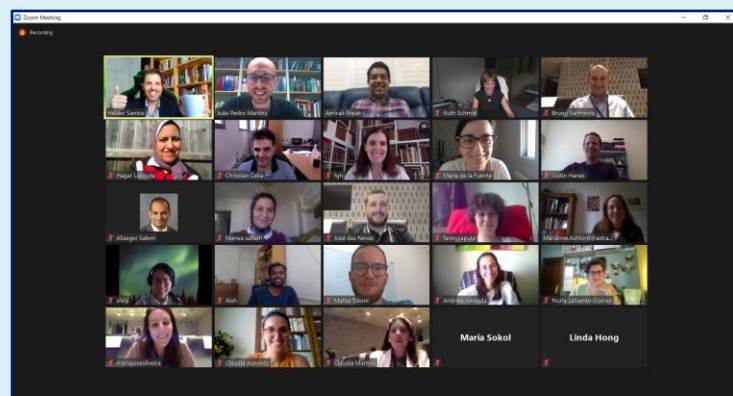
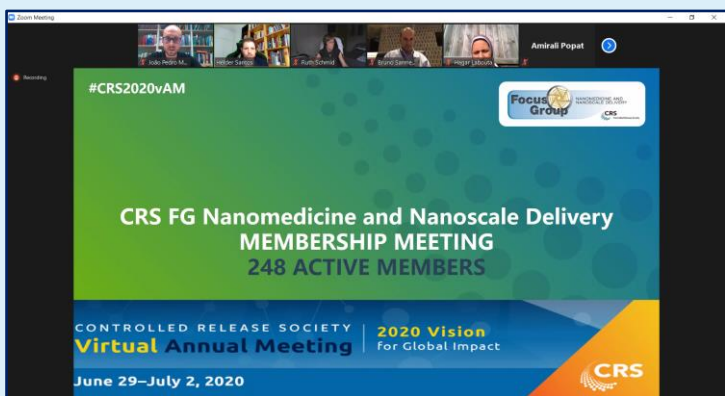
Prof. Avi Schroeder
Awardee/Speaker



Yutong Guo
Awardee/Speaker



Paz Montesinos
Awardee/Speaker



FG NND Membership Meeting



THE MAGIC OF BOB LANGER

Another highlight of the CRS 2020 vAM was “The Magic of Bob Langer”, featuring Prof. Robert Langer himself, presenting his research and performing magic tricks. Prof. Langer pulled several rabbits out of his hat, leaving the audience mesmerized. Amidst the talk about his early days and difficult times in his career trajectory, Prof. Langer revealed (once more) to be an inspirational human being, and we quote “I guess I believe in it, so I just kept trying.”. ■

ALWAYS AT
6 PM – 7 PM CET
(12 PM – 1 PM EST, 9 AM – 10 AM PST)

WEBINARS 2020

OCTOBER 7



DR. AKIF EMRE TÜRELI
MyBiotech, Germany

NOVEMBER 4



PROF. ALEXANDER SEIFALIAN
Nanotechnology & Regenerative
Medicine Commercialisation Centre (Ltd),
UK

NOVEMBER 18



PROF. DAN PEER
Tel Aviv University, Israel



This publication reflects only the views of the CRS FG NND board. We welcome contributions from members of our focus group community.
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CRS FG NND

CRS 2021 Annual Meeting

CRS 2020 vAM has made history! Now, the gavel has been passed, and it is time to start looking ahead. We are deeply grateful to Prof. Justin Hanes & committee leadership for the work done during the past year, and we welcome Prof. Yvone Perrie as the new president of the CRS. We are very much looking forward to the upcoming CRS 2021 Annual Meeting, which will be held in Montréal, Quebec, Canada, from July 23-28! Mark your calendars! ■



RECOMMENDED ARTICLES



"Delivering the power of nanomedicine to patients today"

Matthieu Germaina, Fanny Caputo, Su Metcalfe, Giovanni Tosi, Kathleen Spring, Andreas K.O. Åslund, Agnes Pottier, Raymond Schiffelers, Alexandre Ceccaldi, Ruth Schmid, Journal of Controlled Release, 2020; 326:164-171



"Local anesthesia enhanced with increasing high-frequency ultrasound intensity"

Kathleen Cullion, Laura C. Petishnok, Tao Sun, Claudia M. Santamaria, Grant L. Pemberton, Nathan J. McDannold, Daniel S. Kohane, Drug Delivery and Translational Research, 2020; 10:1507-1516

Upcoming Meetings

October 14, 2020
UKICRS Annual Symposium
Virtual

[MORE INFO](#)

October 14-16, 2020

ETPN2020

Heraklion, Greece

[MORE INFO](#)

November 9-12, 2020

The 6th International Conference on Microneedles 2020

SKY 31 Convention, Lotte World Tower in Seoul, Korea

[MORE INFO](#)

November 23, 2020

Drug Delivery Australia

Virtual

[MORE INFO COMING SOON](#)

July 23-28, 2021

CRS 2021 Annual Meeting

Palais des Congrès de Montréal
Montréal, Quebec, Canada

[MORE INFO](#)

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Thank you for following us!
2300
FOLLOWERS

The board of the CRS FG NND is committed towards excellence, and driven by a solid will of making a difference in the field of nanomedicine! If there is anything you would like to address to us, or if there is anything we can do for you, please, do not hesitate in contacting us! ■

e-POSTER COMPETITION



#CRSNANO