



ISN School of Basic Neurosciences, Akure, Nigeria 26th August - 2nd September, 2023

Neuroinflammation and Neuroimmunology: The Two Faces of the Coin

FINAL REPORT OF THE ACTIVITIES OF THE ISN SCHOOL OF BASIC NEUROSCIENCES, AKURE NIGERIA 2023

The ISN School of Basic Neurosciences, Akure, Nigeria 2023 was wholly and successfully executed. The theme of the school was 'Neuroinflammation and Neuroimmunology: The Two Faces of the Coin'. The school provided holistic learning, experience and understanding of the interplay between neuroinflammation, neuroimmunology, neuropharmacology and neurotoxicology in several Neurodegenerative diseases, for young aspiring neuroscientists from the African region. The ISN School of Basic Neurosciences, Akure, Nigeria 2023 was held at the Federal University of Technology, Akure (FUTA), Nigeria, between the 26th August - 2nd September, 2023.

A total of one hundred and thirty-two (132) applications to the ISN School of Basic Neurosciences, Akure, Nigeria 2023 was received across Africa. Twenty-seven (27) students/ participants were initially selected, however additional sixteen (16) students/ participants were also afforded the opportunity to join the initially selected candidates, to make a total of forty-three (43) students. This was done to accommodate more participants for the program. The students for the school were selected from Nigeria, Cameroun, Senegal, Rwanda, Ghana, Uganda, and South Africa. Gender parity and equality were considered in the selection process. Distinguished faculties from United Kingdom, United States of America, and Nigeria delivered lectures and gave talk on different topics in line with the theme and objectives of the school. Foreign participants/ students arrived on Saturday, 26th August, 2023 at the Murtala Mohammed Airport, Lagos, Nigeria and were received by the members of the LOC, before proceeding to Akure for the School and the national participants joined their foreign counterparts at the Federal University of Technology Akure (FUTA), Nigeria for the school. A courtesy call was subsequently made to the Vice Chancellor of the Federal University of Technology, Akure, Nigeria.

The opening ceremony of the school took place at the FUTA-WASCAL Auditorium on Monday 28th August 2023, with the Vice Chancellor of the host institution, Prof (Mrs) Adenike Temidayo Oladiji J.A. Fawupe, represented by the Director, International Strategic Office, Prof. (Mrs) Bamidele Juliet Akinyele in attendance. During his opening speech, the Vice Chancellor showed gratitude to ISN for the immense support towards the successful hosting of the school in FUTA, and for providing support to convey bright minds from all over Africa to participate in the school. She thanked all faculties from within and outside Nigeria for honoring our invitation and accepting to join us. She advocated for more support by ISN in Africa so as to drive Africa's scientific agenda on Proper Brain Function forward for the benefits of current and future generations. Every aspect of the program was covered (videos and pictures) and shared on several social media platforms such as Facebook, Instagram, Linked in as well as on ISN website.

The main activities of the school held between 28th August – 1st September, 2023. The key note lecture was delivered by Olumayokun Olajide, a Professor of Cellular and Molecular Pharmacology and Neurosciences at the Department of Pharmacy, University of Huddersfield, UK on the theme of the school 'Neuroinflammation and Neuroimmunology: The Two Faces of the Coin'. The thought-stimulating lecture provided the lead way for other lectures during the school. Other lectures were delivered by Profs. James Olopade and Samuel Onasanwo, from the University of Ibadan, Nigeria, Michael Aschner from the Albert Einstein College of Medicine, New York, USA, Victor Owoyele from the University of Ilorin, Nigeria, Ganiyu Oboh from the Federal University of Technology, Akure, Nigeria, the duo of Profs. Amos Fatokun, and Kehinde Ross from the Liverpool John Moores University, UK as well as Drs. Stephen Adeniyi Adefegha, Opeyemi Ogunsuyi, and Ayokunle Olubode Ademosun, from FUTA, Nigeria, and Dr. Omamuyovwi Mamus Ijomone, from University of Medical Sciences, Ondo, Nigeria. Eight of the faculty members were physically present for this school while three of them presented their lectures/ talks virtually. The participants presented their research work during a mini-symposium and distinguished Professors who are faculty members provided guidance on how to improve the quality of their research work and write manuscripts better. Fascinating moments of interaction of students with the faculty members were the highpoints of the events. Email addresses and phone numbers of the faculties and students were exchanged for further collaboration. The participants were trained in molecular techniques in neuroscience and updated with the

latest technological developments of interdisciplinary and translational research on neurodegenerative diseases by reputable researchers (within and abroad). Feeding and accommodation were made in such a way that interaction between the students and faculties could be effective and efficient.

The theoretical knowledge was further enhanced with hands-on exposure and demonstration session of basic molecular techniques that are essential for research in neuroinflammation, neuroimmunology, neuropharmacology and neurotoxicology in several Neurodegenerative diseases. The participants were given the opportunities to learn the fundamentals, mechanisms, and models of Neuroinflammation and Neuroimmunology. The hosting of ISN School Initiative has enhanced collaboration and partnership for the furtherance of Brain Health and Function in Africa and globally at large. It has built human capacity in molecular neuroscience, promoted active networking amongst the participants and collaboration with faculty members and other participants.

Complete Lists of Participants (including students, faculties and LOC)

ISN Student Participants (International and Local)

S/N	NAME	SEX	COUNTRY OF RESIDENCE
1	Michael Ntim	M	Ghana
2	Tosin Abiola Olasehinde	M	South Africa
3	Ayomide Victor Atoki	M	Uganda
4	Akono Jean Victor Harold	M	Cameroun
5	Olorunnado Samson Ehindero	M	Rwanda
6	Goumtsa Ariane Falone	F	Senegal
7	Ngoungoure Ndam Viviane Laure	F	Cameroun
8	Jean Philippe Djientcheu Tientcheu	M	Cameroun
9	Rivaldo Bernes Kahou Tadah	M	Cameroun
10	Senanu John	M	Ghana

11	Odey Agnes Igimi	F	Nigeria
12	Ibiyeye Ruqayyah Yetunde	F	Nigeria
13	Joy Wilbeforce Ekokodje	F	Nigeria
14	Otomewo Lily Oghenevovwero	F	Nigeria
15	Mba Christian Ejuiwa	F	Nigeria
16	Foluso Omolade Akinmameji	F	Nigeria
17	Olopade Elijah O.	M	Nigeria
18	Arogundade Tolulope Timothy	M	Nigeria
19	Koledoye Omowumi Funmilayo	F	Nigeria
20	Imah-Harry Joan Uchechukwu	F	Nigeria
21	Olaolorun Francis Abiodun	M	Nigeria
22	Ogunsuyi Olusegun Ifeoluwa	M	Nigeria
23	Omile Irene Chizubelu	F	Nigeria
24	Abayomi Taiwo	F	Nigeria
25	Idowu Olumayowa Kolawole	M	Nigeria
26	Lawal Akintunde Muthoir	M	Nigeria
27	Odeyemi Inioluwa	F	Nigeria
28	Oyediran Jesutomi	F	Nigeria
29	Akerele Gbenga	M	Nigeria
30	Mayokun Famutimi	F	Nigeria
31	Adedeji Victor	M	Nigeria
32	Akintoye Opeyemi	F	Nigeria
33	Olanrewaju Bukola	F	Nigeria
34	Awodire Elizabeth	F	Nigeria
35	Olajide Damilola	F	Nigeria
36	Aro Olayemi Philemon	M	Nigeria

37	Olukorede Peace Tolulope	F	Nigeria
38	Emmanuel Ojo	M	Nigeria
39	Asanye Lilian	F	Nigeria
40	Akingbola Tosin Henry	M	Nigeria
41	Ojo Olajide Raymond	M	Nigeria
42	Ogunleye Olayemi	F	Nigeria
43	Olorunlana Olorunbamigbe	F	Nigeria

Faculty Members

Speakers

1. Prof. Olumayokun Olajide, Professoro Cellular and Molecular Pharmacology and Neurosciences, School of Pharmacy and Biomolecular Sciences. Research area: Neuropharmacology, Neurotoxicology & neurosciences
2. @Prof. Michael Aschner – Department of Molecular Pharmacology, & Neuroscience, Albert Einstein College of Medicine, New York, USA; Research area: Environmental neurotoxicology, metal neurotoxicity, Parkinson's disease.
3. Prof. Ganiyu Oboh – Department of Applied Biochemistry & Toxicology, Federal University of Technology Akure, Nigeria; Research area: neurotoxicology, neurochemistry and neurosciences.
4. Prof. James Olopade – Department of Veterinary Anatomy, University of Ibadan, Nigeria; Research area: Neuroscience, comparative anatomy.
5. @Prof. Amos Akintayo Fatokun – Professor of Pharmacology and Neuroscience, School of Pharmacy and Biomolecular Sciences, Liverpool John Moores University, United Kingdom; Research area: Pharmacology and Neurosciences.
6. Dr. Omamuyovwi M. Ijomone – Associate Professor, Department of Human Anatomy, University of Medical Sciences, Ondo, Nigeria. 2017/2018 *IBRO-ISN Research Fellow* at Albert Einstein College of Medicine, USA; *IBRO/ISN Schools Alumni*; Research area: Neurotoxicology, neurodegeneration, behavioural neuroscience.
7. *Dr. Stephen Adeniyi Adefegha – Associate Professor/ Reader, Department of Applied Biochemistry & Toxicology, Federal University of Technology Akure, Nigeria; Research area: neurobiochemistry, neuropharmacology, neurotoxicology, and neurosciences.
8. *Dr. Opeyemi B. Ogunsuyi – Department of Biomedical Technology, Federal University of Technology Akure, Nigeria; *IBRO Travel Awardee*; *IBRO/ISN Schools Alumni*; Research area: Neurodegeneration, Neurotoxicology, behavioural neuroscience and neuropharmacology.
9. @Prof. Kehinde Ross – Professor of Cellular and Molecular Biology and Biochemistry, School of Pharmacy and Biomolecular Sciences, Liverpool John Moores University, United Kingdom; Research area: Neurobiology,

Neurobiochemistry, MicroRNA and Neurosciences.

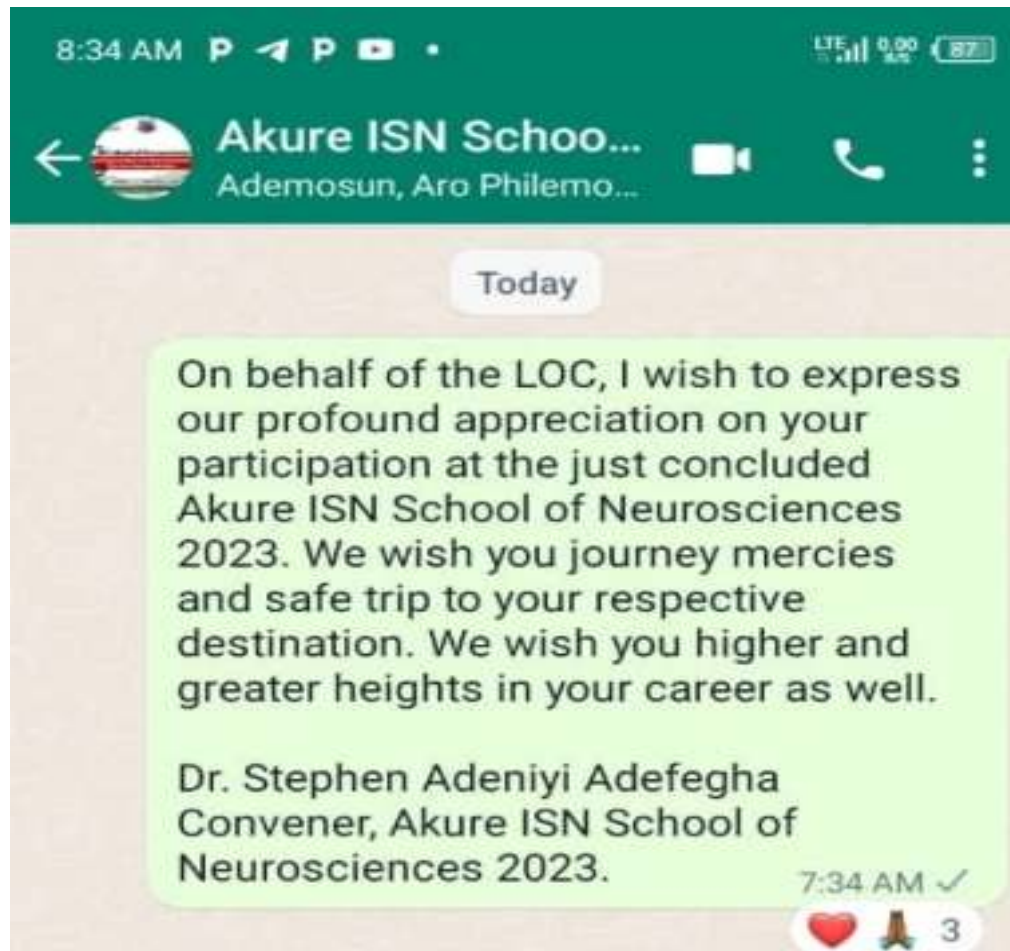
Physical Observers and Speakers

10. Prof. Victor Owoyele, President of Neurosciences Society of Nigeria – Professor, Department of Physiology, University of Ilorin, Nigeria; Research area: Neuroscience, Neurophysiology, neuropharmacology
11. Prof. Samuel Onasanwo, Treasurer of Neurosciences Society of Nigeria – Professor, Department of Physiology, University of Ibadan, Nigeria; Research area: Neurosciences, Neurophysiology, neuropharmacology and neurotoxicology.

Hands-on Instructors

1. Dr. Adedayo Ademiluyi – Department of Biochemistry, Federal University of Technology, Akure, Nigeria; Research area: neurochemistry, neuropharmacology, neurotoxicology, and neurosciences.
2. Mr. Umar Haruna – Technologist, Department of Biochemistry, School of Life Sciences

BUNCH OF FEEDBACK



8:39 AM

LTE 94.0%
8/5



Akure ISN Schoo...

Ademosun, Aro Philemo...



~ Otomewo Lily

+234 812 424 1541

It was my absolute pleasure to have attended this school. I couldn't possibly remain the same researcher I was and I have the entire committee and faculty to thank for that. Thank you very much for this privilege!

7:44 AM



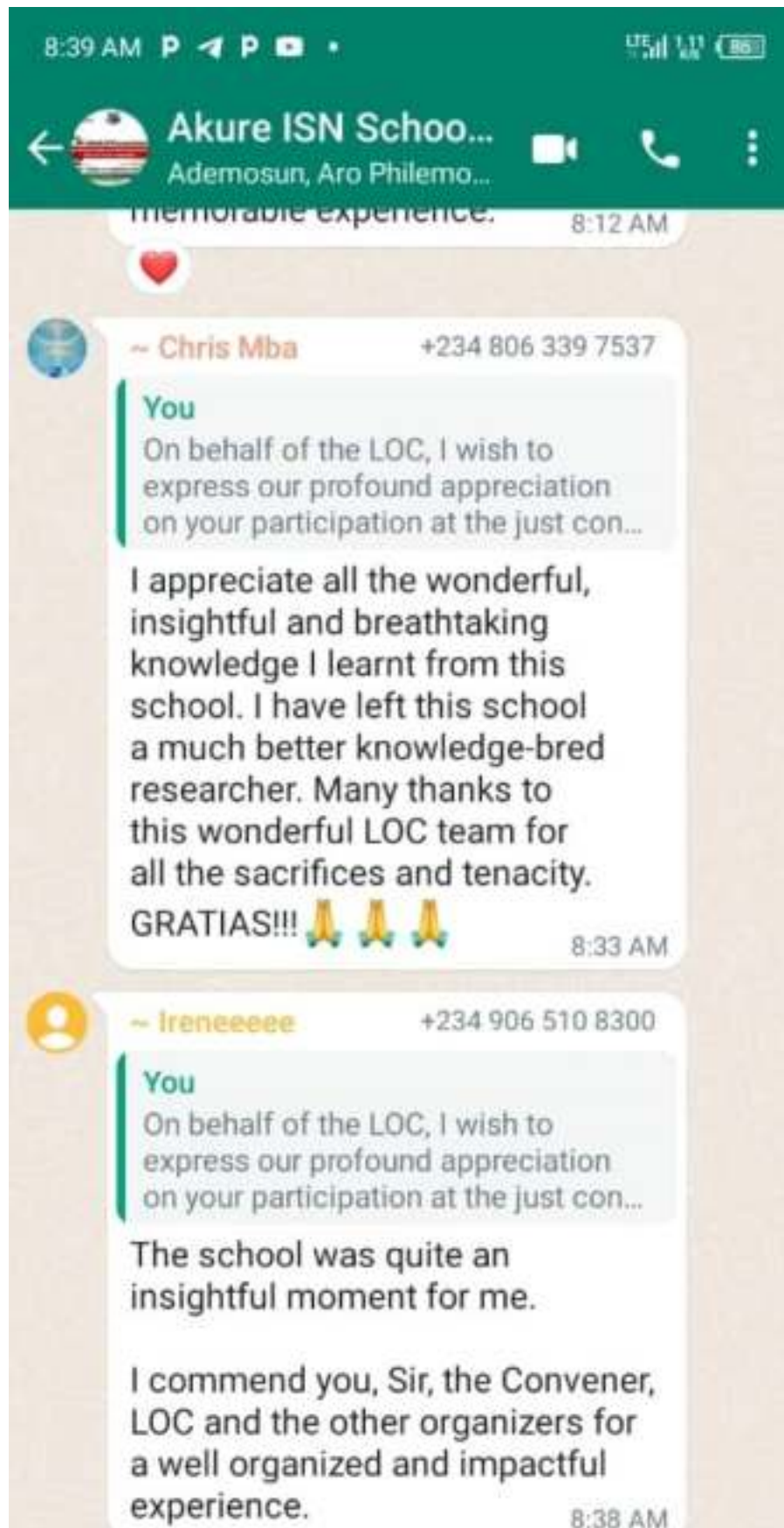
Michael Etim Ghana

You

On behalf of the LOC, I wish to express our profound appreciation on your participation at the just con...

Thanks to you and your team for such a fantastic hosting. It will go down memory lane. God bless.

8:08 AM





~ Akin Lawal

+234 701 399 1716

A big thank you to ISN and the organizers of this school. Attending this school availed me the opportunity to learn from distinguished scientists and meet brilliant minds across the continent. The experience from this short time will live with me forever and I am grateful for the privilege.

8:49 AM



~ harry Suzuki 🧑🏫💬👉 +237 99173322

You

On behalf of the LOC, I wish to express our profound appreciation on your participation at the just con...

Thank's a to the Convener an his team.. The school was very insighful...i've aquired a great experience, and met good people



Harold AKONO 🇳🇬

8:55 AM



~ Ndam Viviane

+237 99026054

Firstly, i will like to thanks the LOC team, faculties and all the organizers. Thanks very much for this great experience. I am going back in Cameroon with lots of knowledges on neuroinflammation and neuroimmunogy.
Thanks

8:55 AM



~ Olumayowa Ido...

+234 806 695 5642

Much thanks to ISN, the LOC and all the faculty members. Big congratulations to the LOC and all participants for success of the school.
I wish us all safe journey back to our various destinations.
I will miss you all and I hope to see you soon someday.... Thank you all.

Edited 9:21 AM



~ Jean Philippe

+237 97280192

I'd like to acknowledge the LOC of the just concluded ISN Akure school for organizing such a great event, the experience was marvellous, the organization, the different lectures, the lecturers, I learned a lot from the speakers and I want to wish everyone a safe trip back to you respective destinations.

I hope to meet you all very soon....



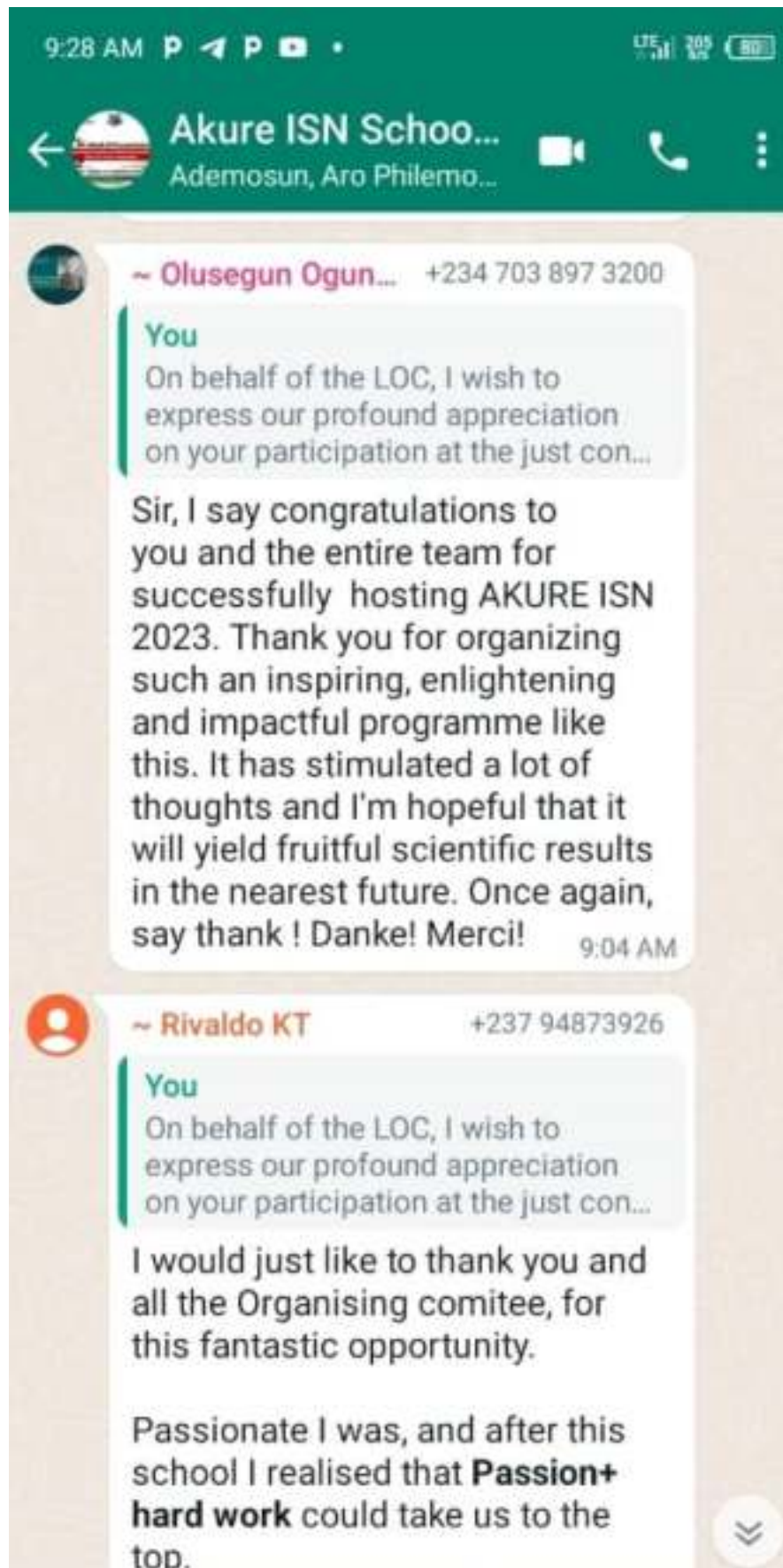
Philippe 🇧🇪 🇩🇪 🇳🇮

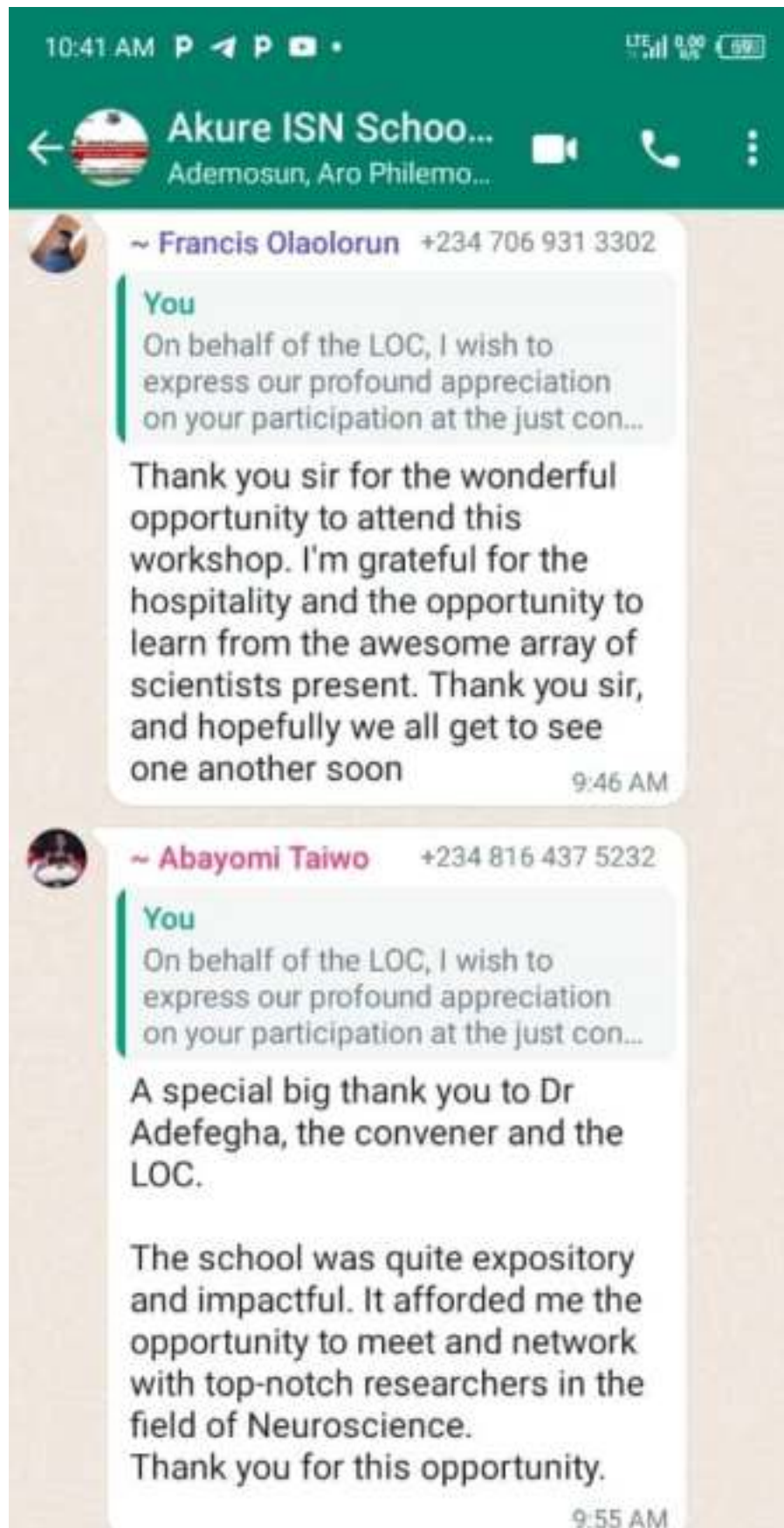
#ISN #Neuroinflammation

#Neuroimmunology

#Nigeria

9:35 AM







Courtesy Call to the Vice Chancellor of FUTA by some faculties and students
 L-R Protocol Officer, Prof. Olumayokun Olajide, Prof. James Olopade, Prof. (Mrs) Bamidele J. Akinyele, Dr. S. A. Adefegha (The Convener), Prof. (Mrs) Adenike Temidayo Oladiji (The Vice chancellor, FUTA), Profs. T. T. Amos & O. Oluyamo



Pictures of the Students/participants of the school with the Convener



Pictures of Convener Faculty Members 1



Cross section of faculty members 2



Cross section of faculty members 3



Display of Schools' Materials



Lectures during the school



Cross sections of Hands-on/ Practical training during the school



Cross sections of Hands-on/ Practical training during the school



Cross sections of series of lectures/talks delivered during the school



Cross sections of series of lectures/talks delivered during the school



Cross sections of social activities/ interaction of students with faculty members during the school



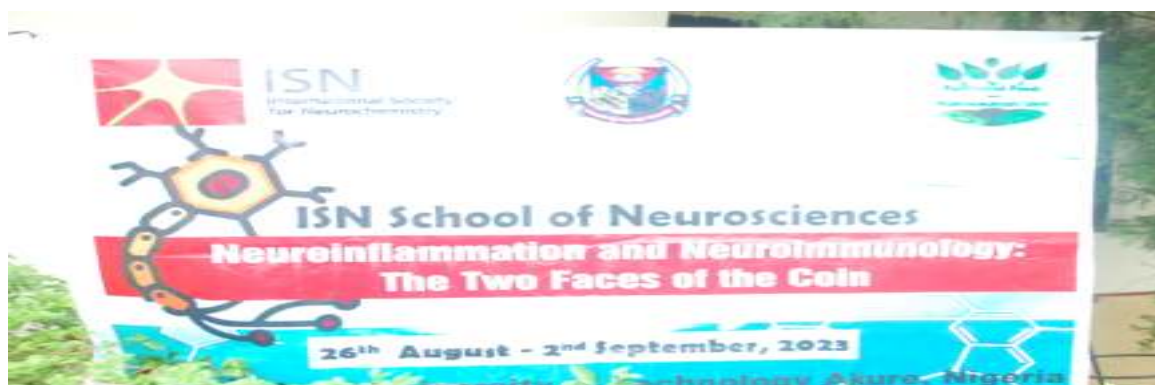
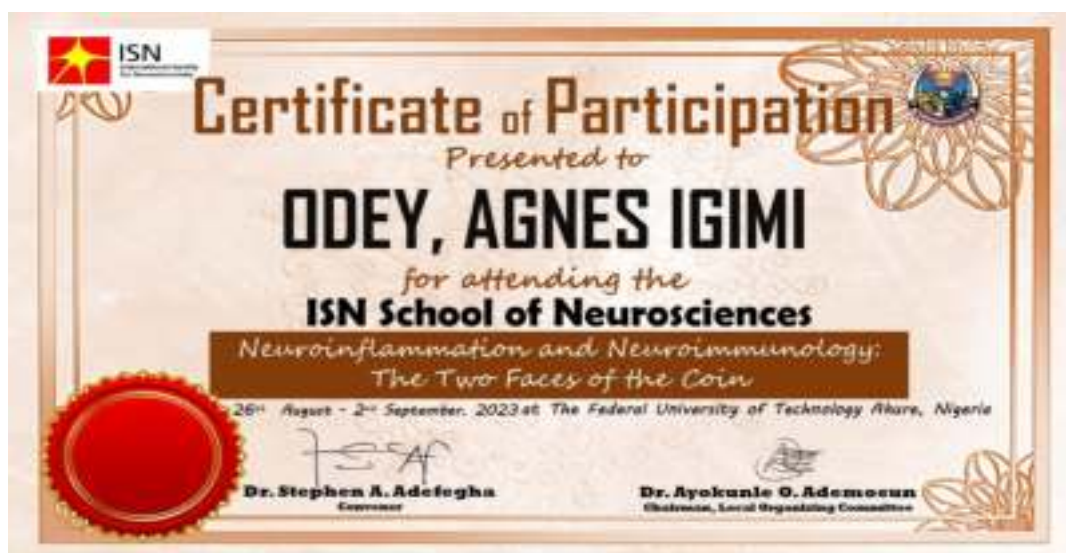
Cross sections of students' presentation during the school



Cross sections of social activities/ interaction of students with faculty members during the school



Cross sections of menu during the school



Cross sections of certificate and banner of the ISN School of Basic Neurosciences

FUND UTILIZATION

Item	Income (USD)	Expenditure (USD)
	Amount Released by ISN ISN = \$27,960	
		5% Administrative Charge deducted by FUTA - \$1,398
Travels		
Travel expenses for faculties (International and National)		\$3,050
Travel expenses for students (International and National)		\$11,925
Accommodation		
Accommodation for faculties		\$1,650
Accommodation for students		\$4,860
Feeding		\$6,750
School materials		
Bags		\$750
Customized Vest		\$498
Tags and notepads		\$350
Secretariat & printing		\$430
Others		
Local transport expenses		\$980
Internet/ Virtual service		\$700
Socials		\$642
Total		\$33,983
ISN Full Awarded Support: 34, 950 USD		

CLOSING REMARK: Participants have agreed to write a review manuscript on the theme of the ISN School of Basic Neurosciences titled 'Neuroinflammation and Neuroimmunology: The two faces of a Coin'. The decision was arrived at, during the discussion time. We are currently working and developing the sections and subsections of the manuscript. Timelines have been proposed and hopefully, the manuscript can be submitted for consideration in the Journal of Neurochemistry later in the year or possibly in the first quarter of next year (2024). Once again, we are delighted at the enormous success achieved and impact made in the lives of these young aspiring neuroscientists across Africa. We are poised to ensuring that we monitor their career trajectory, provide mentorship and network them for prospective academic and research growth and development. Special thanks to ISN for the overwhelming and unwavering support for neurosciences and neurochemistry in Africa and the world at large. We look forward to move support.

Thank you

Organizers / Hosts



Stephen Adeniyi Adefegha, PhD
(ISN Member ID: 20345)
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(Biochemical Pharmacology & Toxicology)
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Nigeria



Opeyemi B. Ogunsuyi, PhD
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Federal University of Technology Akure,
Nigeria

Date: 5th September, 2023