

ASX Announcement ([ASX: AXE](#))

10 September 2020

Appointment of biotechnology manager

Archer Materials Limited (“Archer”, the “Company”, “[ASX: AXE](#)”) is pleased to announce that the Company has appointed [Dr Rebecca Soffe](#) to the position of Manager, Biotechnology (“Appointment”). Dr Soffe’s appointment to this newly created role is part of Archer’s strategy to commercially develop materials technology in the Company’s key vertical of Human Health.

Commenting on the Appointment, Archer CEO Dr Mohammad Choucair said, “Dr Soffe is a talented nanotechnologist with an exceptional background in building biosensor devices. Her track record for high impact innovation related to ‘Lab on a Chip’ technology is world-class and strongly aligns to Archer’s requirements for developing our key vertical of Human Health.

“One of the main reasons the Company raised funds through the recent Share Purchase Plan was to hire new staff to expedite the development of our deep tech and the prosecution of related patents. Dr Soffe’s appointment is consistent with this strategy, and we look forward to working with Dr Soffe and expanding our team and capabilities.”

The Appointment

Dr Soffe commenced the role 9 September 2020, is full-time, and based in Archer’s Sydney CBD Office reporting directly to Archer’s CEO. The immediate priority of the Appointment is to technically develop the intellectual property claims in Archer’s 100% owned international [patent application](#) relevant to the Company’s graphene-based biosensor technology (ASX ann. [31 Aug 2020](#)).

The Appointment will build next-stage biosensor prototypes in the \$150 million semiconductor chip foundry in Sydney that Archer commercially accesses, lead Archer’s collaboration with University of Adelaide [ARC Graphene Hub](#), and work with a leading German biotech company, to progress the development of the Company’s biotechnology towards commercialisation.

Dr Rebecca Soffe

Dr Soffe’s experience is in the design, fabrication, and integration of ‘lab on a chip’ biosensor devices. She holds a PhD in Electrical and Computer Engineering from RMIT University, after receiving a Bachelor of Engineering with First Class Honours in Electrical and Electronic Engineering, University of Canterbury (New Zealand).

Between 2016 and 2020, she held a research position at the University of Canterbury developing point-of-care insulin devices for the treatment of chronic diseases including Type 2 diabetes, a position funded by [National Science Challenge](#) – Science for Technological Innovation. There she also developed on-chip biodevices to exploit cellular behaviour.

Her innovative work has been recognised internationally and published in peer reviewed scientific journals which rank in the top percentiles in the field of nanotechnology that continue to be highly cited[†].

[†] <https://pubs.rsc.org/en/content/articlelanding/2014/lc/c3lc51124c/unauth#!divAbstract>
<https://onlinelibrary.wiley.com/doi/abs/10.1002/adfm.201501296>
<https://onlinelibrary.wiley.com/doi/abs/10.1002/sml.202002035>

Progressing Archer's biosensor technology

The Company's graphene-based biosensor technology development has an ongoing focus on exploiting the advanced chemistry of its new graphene materials to arrive at a minimal viable product capable of rapid multi-disease detection and portable device integration.

Further reading with more technical details on Archer's [use of graphene for biosensing](#) and the Company's [progress in biosensor technology development](#) is available online.

About Archer

A materials technology company developing materials in quantum computing, biotechnology, and lithium-ion batteries, and exploring for minerals in Australia. The Company has strong intellectual property, broad-scope mineral tenements, world-class in-house expertise, a unique materials inventory, and access to over \$300 million of technology development infrastructure.

The Board of Archer authorised this announcement to be given to ASX.

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