

IAF MICROGRAVITY SCIENCES AND PROCESSES SYMPOSIUM (A2)  
Life and Microgravity Sciences on board ISS and beyond (Part II) (7)

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LIFE SCIENCE RESEARCH IN SPACE, WHERE WE ARE AND WHERE WE WANT TO GO

**Abstract**

Over the last three decades Airbus has proven experiences in performing life science experiments in microgravity in various fields of biology, medicine countermeasures and on-orbit analysis. The available experiment hardware, analytic instruments and experimental approaches in space have evolved over the years to allow more lab-like environment and conditions similar to research on earth and they consider especially the operational restrains of space, limited samples and long experiment development phases. Our aim is to bring space research to the next level, adapting state of the art laboratory technology for space flight.

Additionally we plan to broaden our portfolio in telemedicine and real time monitoring on the station. These skills and capabilities should in future facilitate medical treatment in areas of conflict, regions difficult to access and also for long term space exploration.

The presentation will show examples of our current facilities and experiment hardware and give an outlook of our plans for the future on ISS and beyond.