LUMOR: An App for Standardized Control and Monitoring of a Porcine Lung and its Nutrient Cycle

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Motivation

- EU-funded project: AlveoPic
- Previous project: i-Lung
- Porcine lung needs physiological conditions!
- Nutrient cycle in a mobile circulatory module (mCM)
- Monitoring of mCM: LUMOR

Image Source: http://www.meduniwien.ac.at/homepage/uploads/RTEmagicC_Top_Bild3_01.jpg
Use Case

- Monitoring the pig lung inside the mCM on a tablet
- via Bluetooth connection
- communication bases on ISO/IEEE 11073 - 20601

Methods

- Message compilation
  - when, what, how often

- mCM Simulator App
  - own test environment

- LUMOR
  - Monitoring and Control Android App
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Thank you for your attention!

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