

[REDACTED]

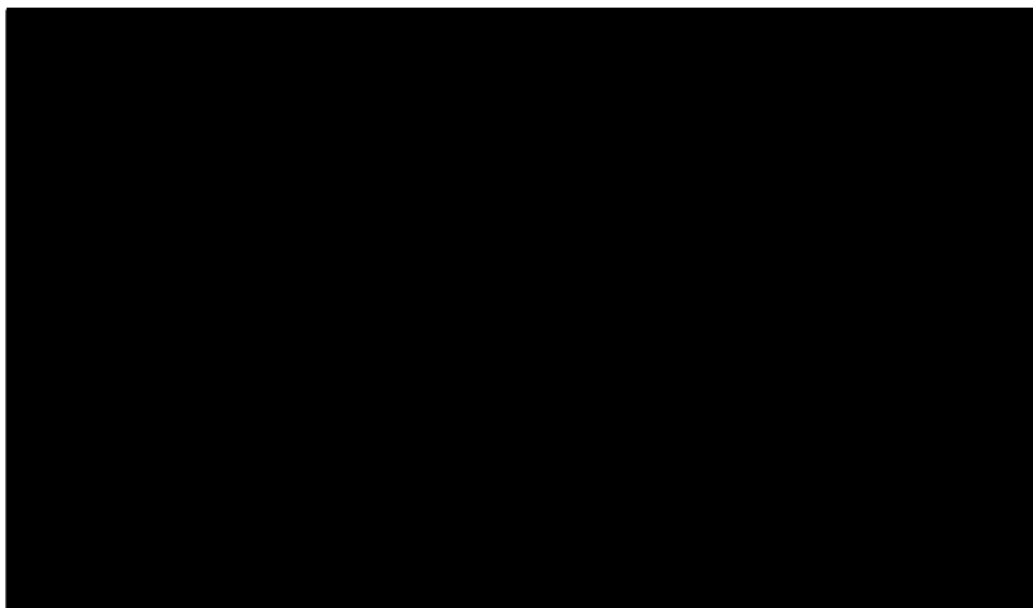
Brian Land, Paul Mannheim, [REDACTED]
July 30, 2015

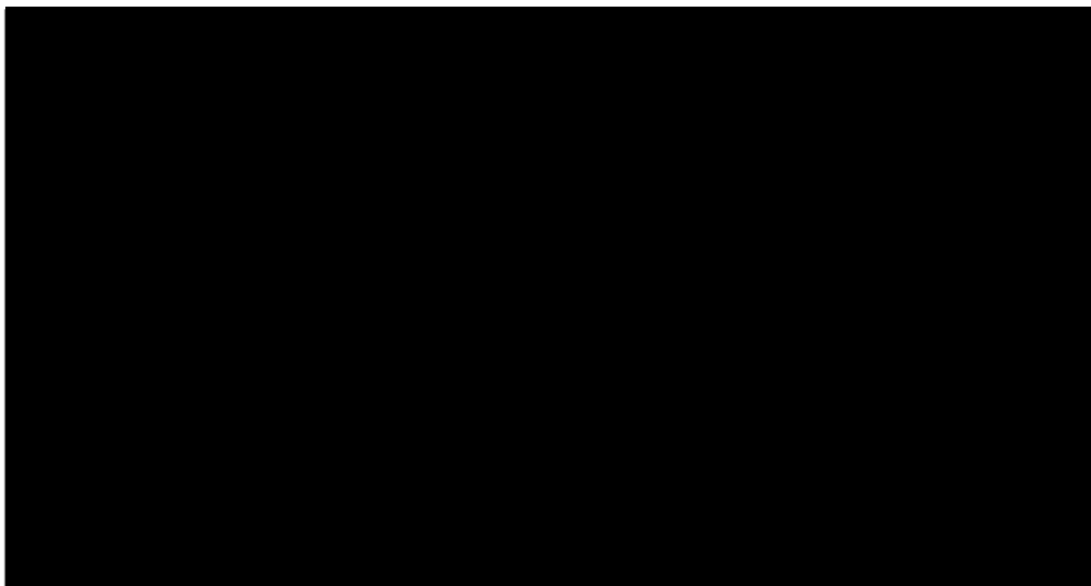
[REDACTED] Downloaded from Apple Confidential

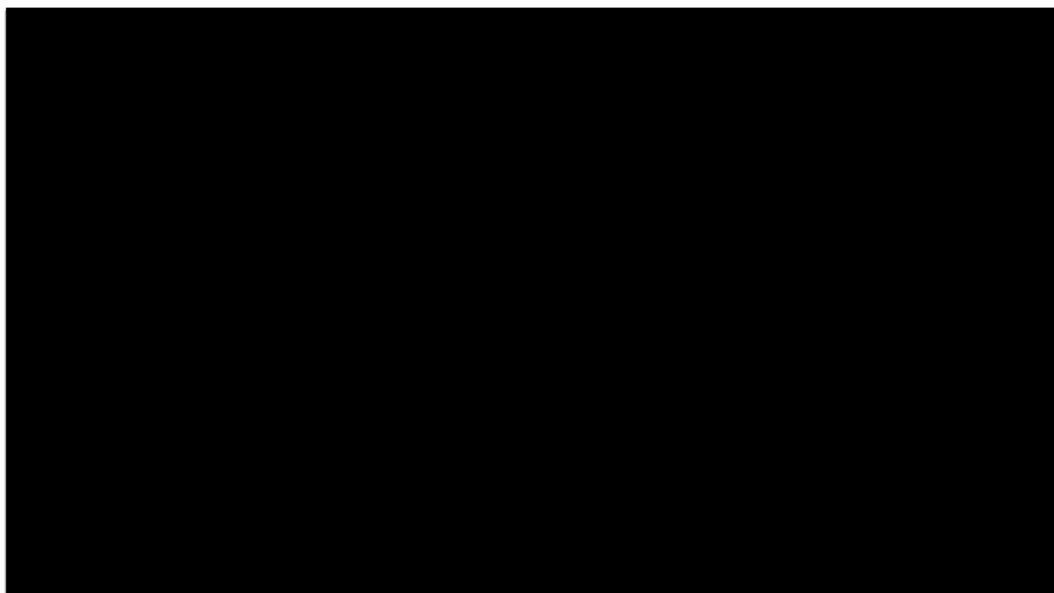
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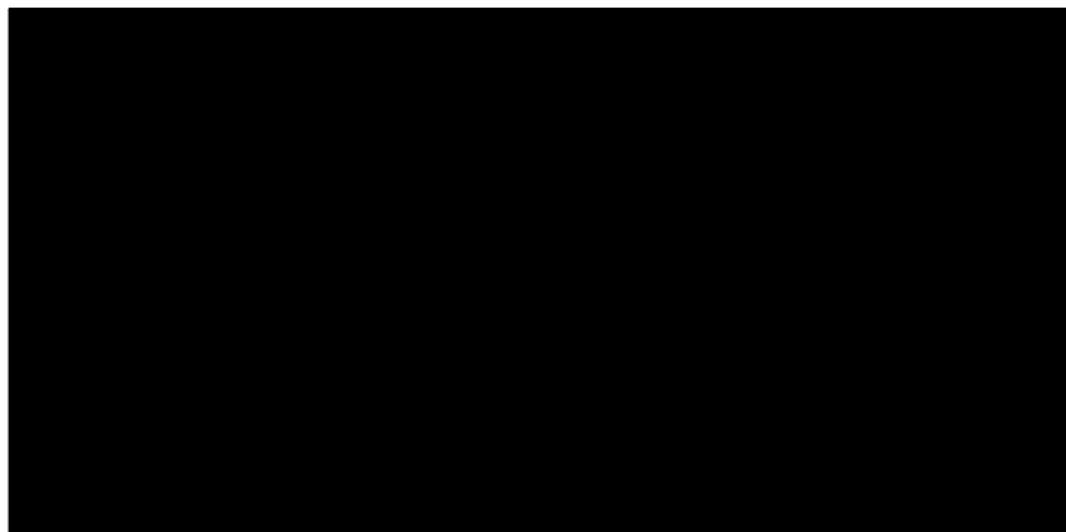
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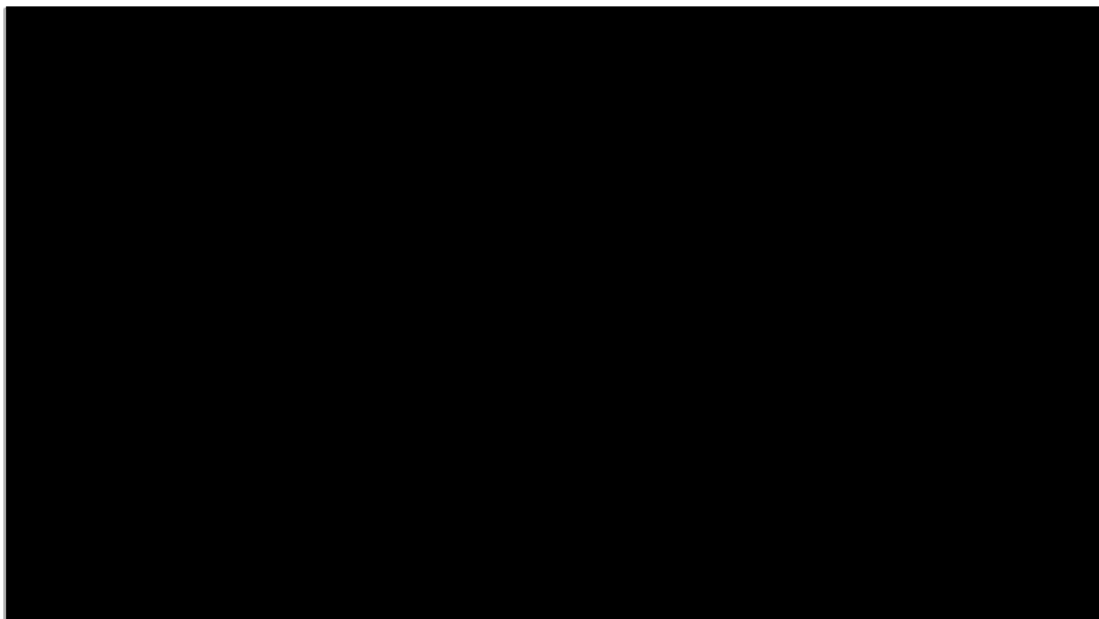


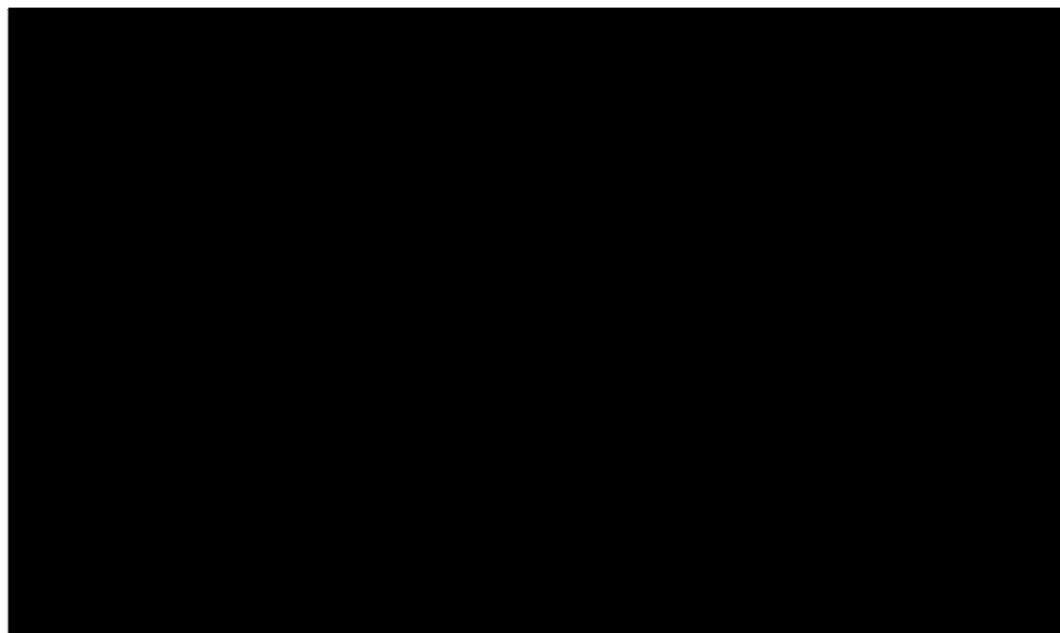


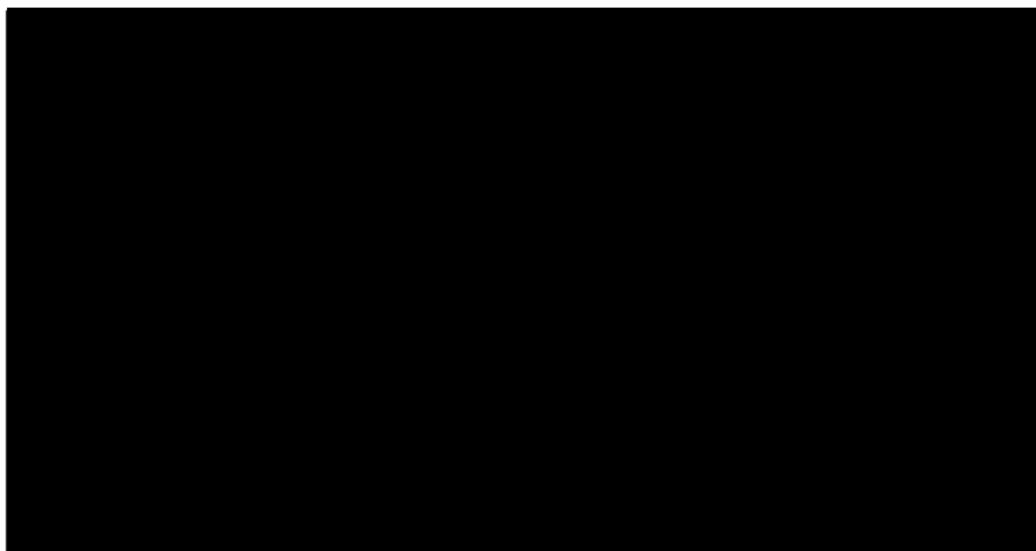


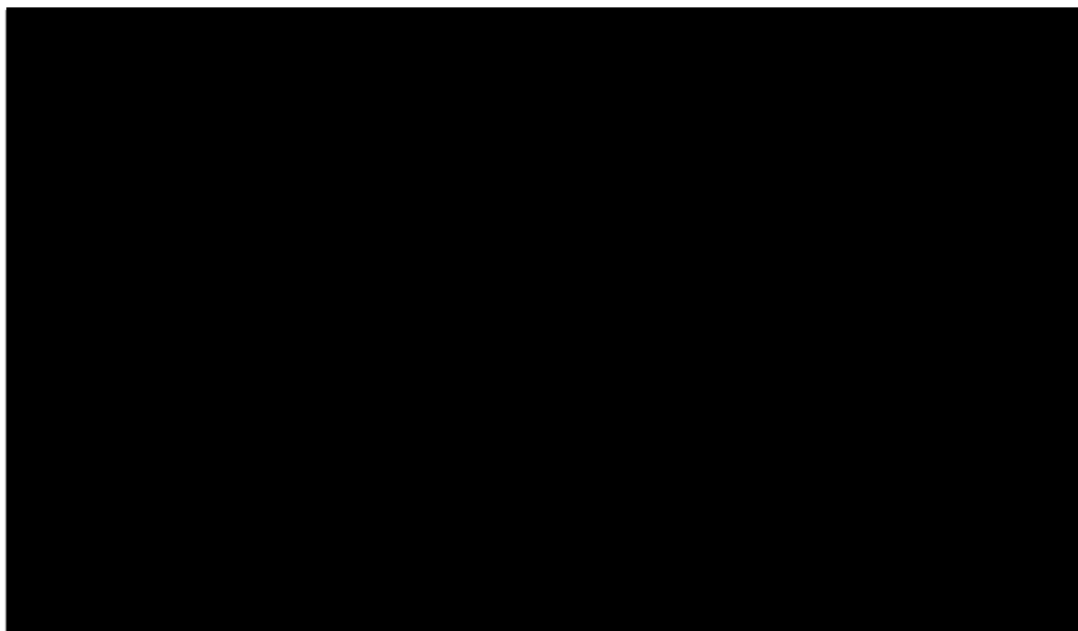


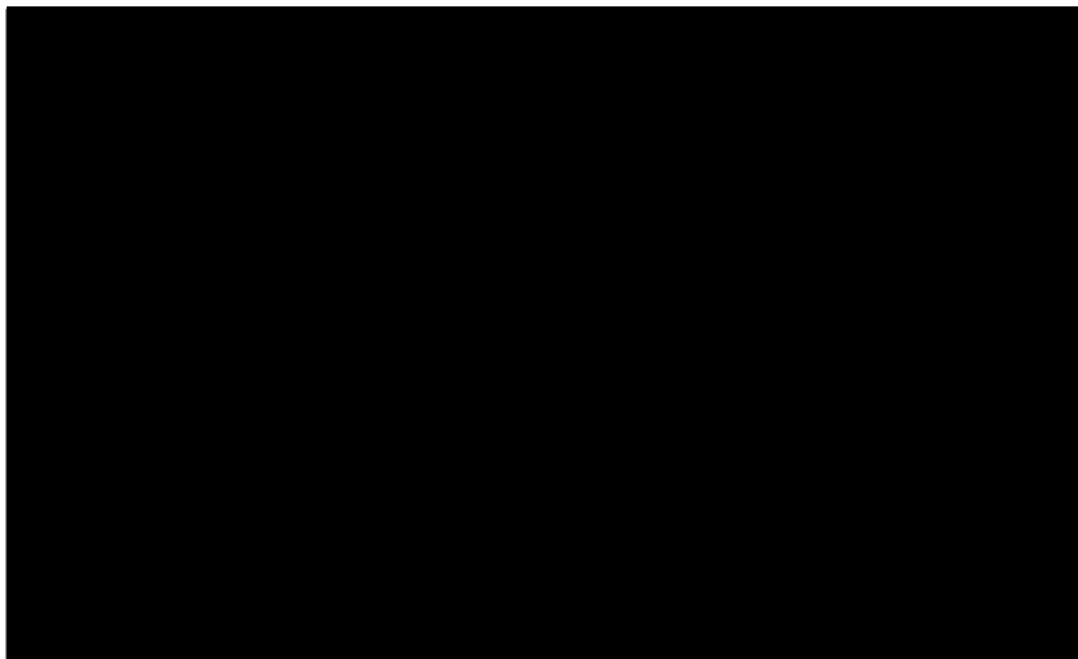


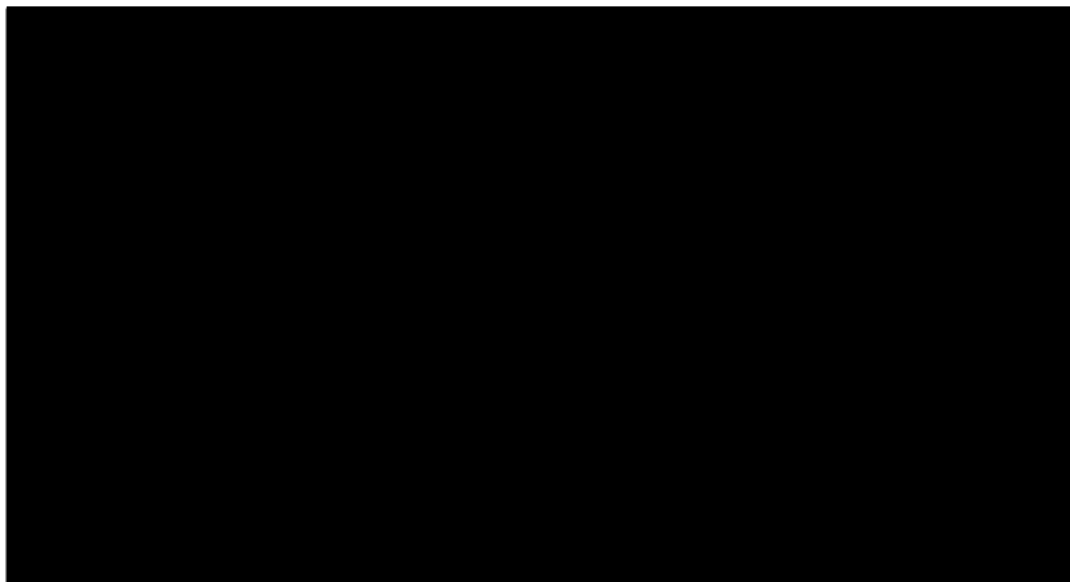


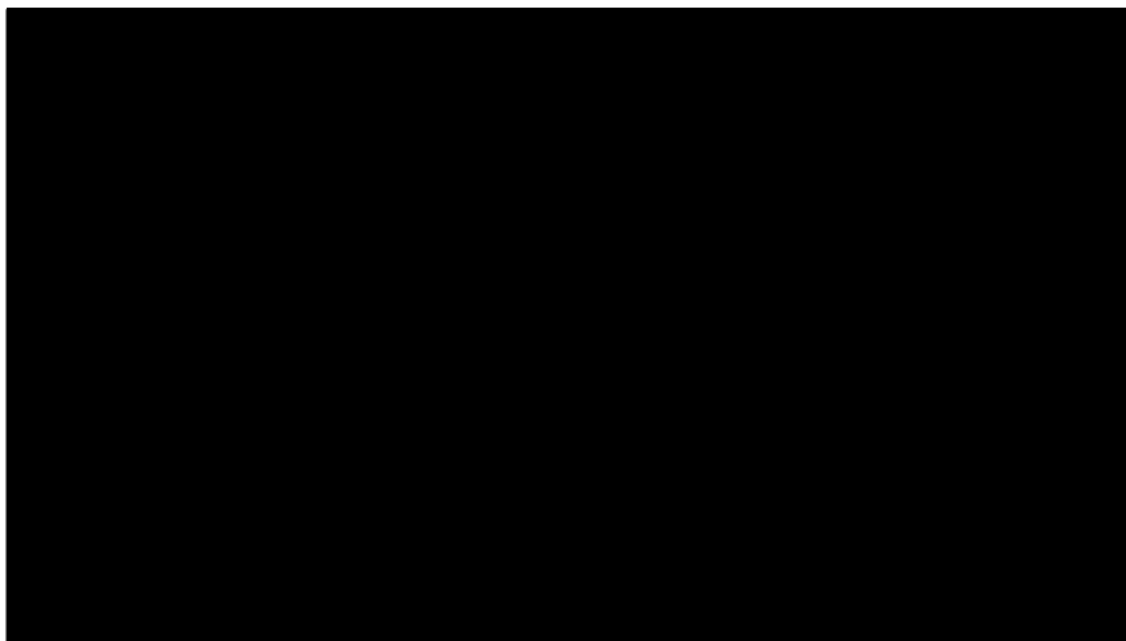












Scandium | Conclusions and Next Steps

- **Wrist very challenging:**

- The wrist is a very challenging region of the body to make an SpO₂ measurement.
- Conventional sensing methods do not result in waveforms that are consistent enough for SpO₂ measurements at the wrist.

- **Invention is required:**

