Supplementary Materials for

Mapping of Spatiotemporal Auricular Electrophysiological Signals
Reveals Human Biometric Clusters

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**Table. S1.** Optimal printing parameters used for 3D-PAS prototyping.

| Printing Parameter             | Setting Value |
|-------------------------------|---------------|
| Infill Density                | 20%           |
| Layer Height                  | 0.1 mm        |
| Printing Speed                | 50 mm/s       |
| Extrusion Width               | 0.6 mm        |
| Retraction Speed              | 40 mm/s       |
| Z Hop at Retraction           | 0.2 mm/s      |
| Outer Shell Wipe Speed        | 50 mm/s       |
| Infill Speed                  | 35 mm/s       |
| Infill Angle                  | 0 deg         |
| Maximum Increase Fan Speed    | 100%          |
| Heated Bed Temperature        | 40 °C         |
| Left Extruder (g-PLA)         | 190 °C        |
| Right Extruder (TPE)          | 225 °C        |