| Laboratory | | | | | | | | | | | | | | | | | | | | Clinical use |

**Open call** →  **Track** →

**EXPLORATION** (TRL 1, 2 & 3)
annually

| Basic science | Credentialing |
|---|---|

- Discovering molecular biomarker (TRL1)

- (Technical) Validation of biomarker characteristics (specificity/sensitivity) using small number of specimens in single laboratory (TRL2)
- Assessing feasibility of development of protocol/reagent/device (TRL3)

**DEVELOPMENT** (TRL 3 & 4)
annually

**Creation of modality**

- Defining patient subset with biomarker using small number of specimens in single laboratory (TRL3)
- Validating assay and correlation of biomarker with outcomes retrospectively across large numbers of specimens in different labs (TRL4)

**THEME CALL BIOMARKERS** (TRL 5 & 6)
bi-annually

| Pre-clinical | Clinical |
|---|---|

- Developing/refining clinical grade biomarker assay protocol/ reagent/device (TRL5)

- Demonstration of a (research grade) biomarker in a relevant environment, such as a clinical or preclinical setting (TRL 6).

**LONGTERM PROGRAMME BIOMARKERS** (TRL 7, 8 & 9)
annually

| | Implementation |
|---|---|

- Demonstration of a (clinical grade) biomarker in an operational environment (TRL 7).

- Scientific studies on methods to promote the delivery, and enhance the adoption of biomarkers for patients/end users within diagnostic tests and/or treatments on several locations (TRL8)
- Making biomarkers available for patients/ end-users, as widely as possible, with the end-goal of nation-wide implementation (TRL9)