

**Update:
The Chernobyl Tissue Bank**

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The Chernobyl Tissue Bank (CTB)

- **Thyroid cancer specimen bank from Chernobyl-affected patients**
- **Initiated in the aftermath of the Chernobyl nuclear plant accident**
- **International collaborative response to emerging evidence of increases in pediatric thyroid cancer**

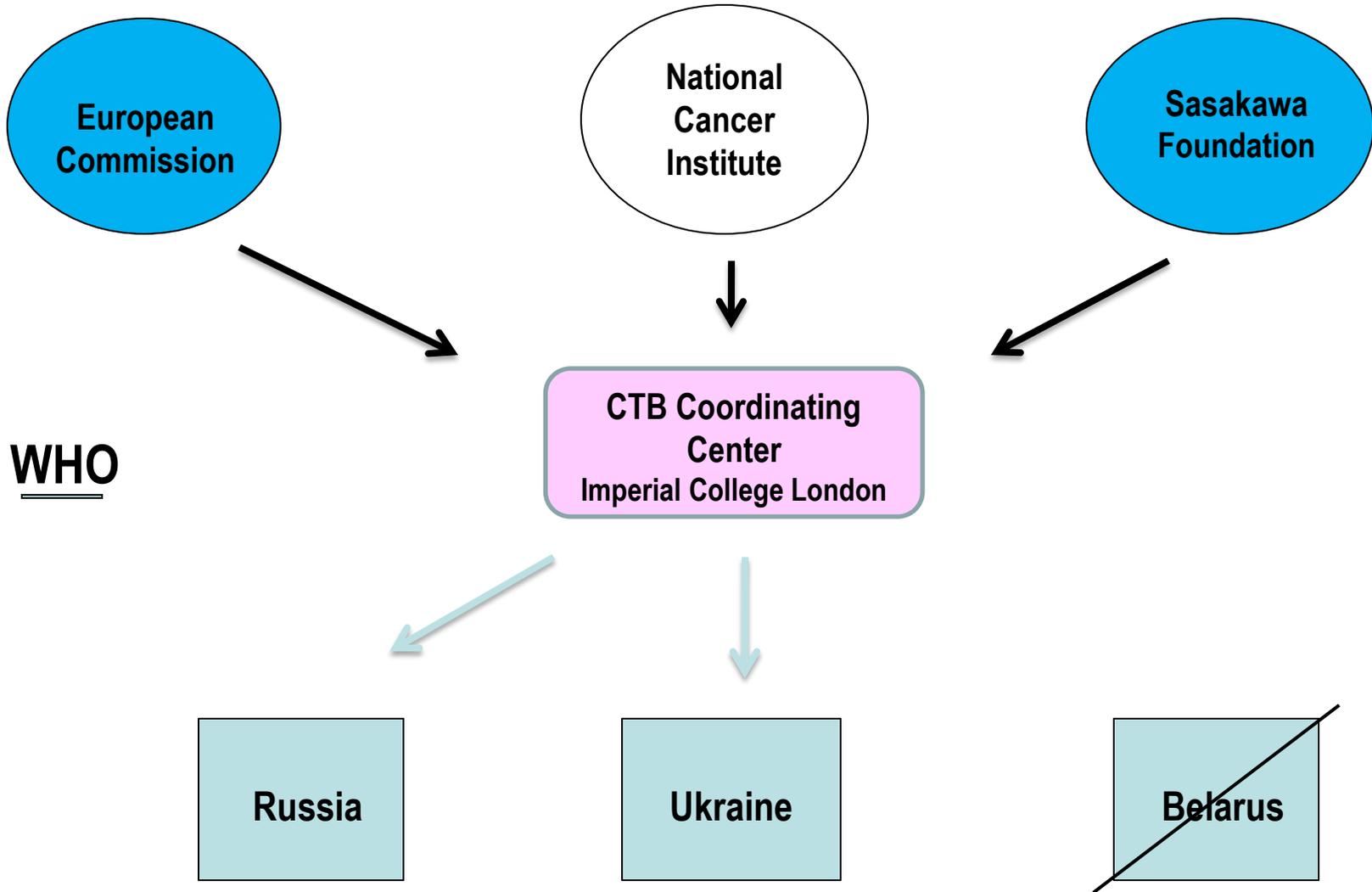
The Chernobyl Tissue Bank

<u>Number of Cases</u>				
<u>Age at Exposure</u>	<u>Belarus</u>	<u>Russian Fed.</u>	<u>Ukraine</u>	<u>Total</u>
0 – 14yrs	1711	349	1762	3822
15 – 17yrs	<u>299</u>	<u>134</u>	<u>582</u>	<u>1015</u>
Total	2010	483	2344	4837

The Chernobyl Tissue Bank

- **Collects thyroid carcinomas/cellular adenomas from the contaminated oblasts**
 - Russia and Ukraine
 - Patients 19 years/younger at the time of the accident
 - Operated on/after October 1, 1998
 - 3861 total cases; 2794 confirmed cancers
- **Also collects clinical/pathological data**
 - Pathology for all CTB cases is reviewed by a renowned Pathology Panel

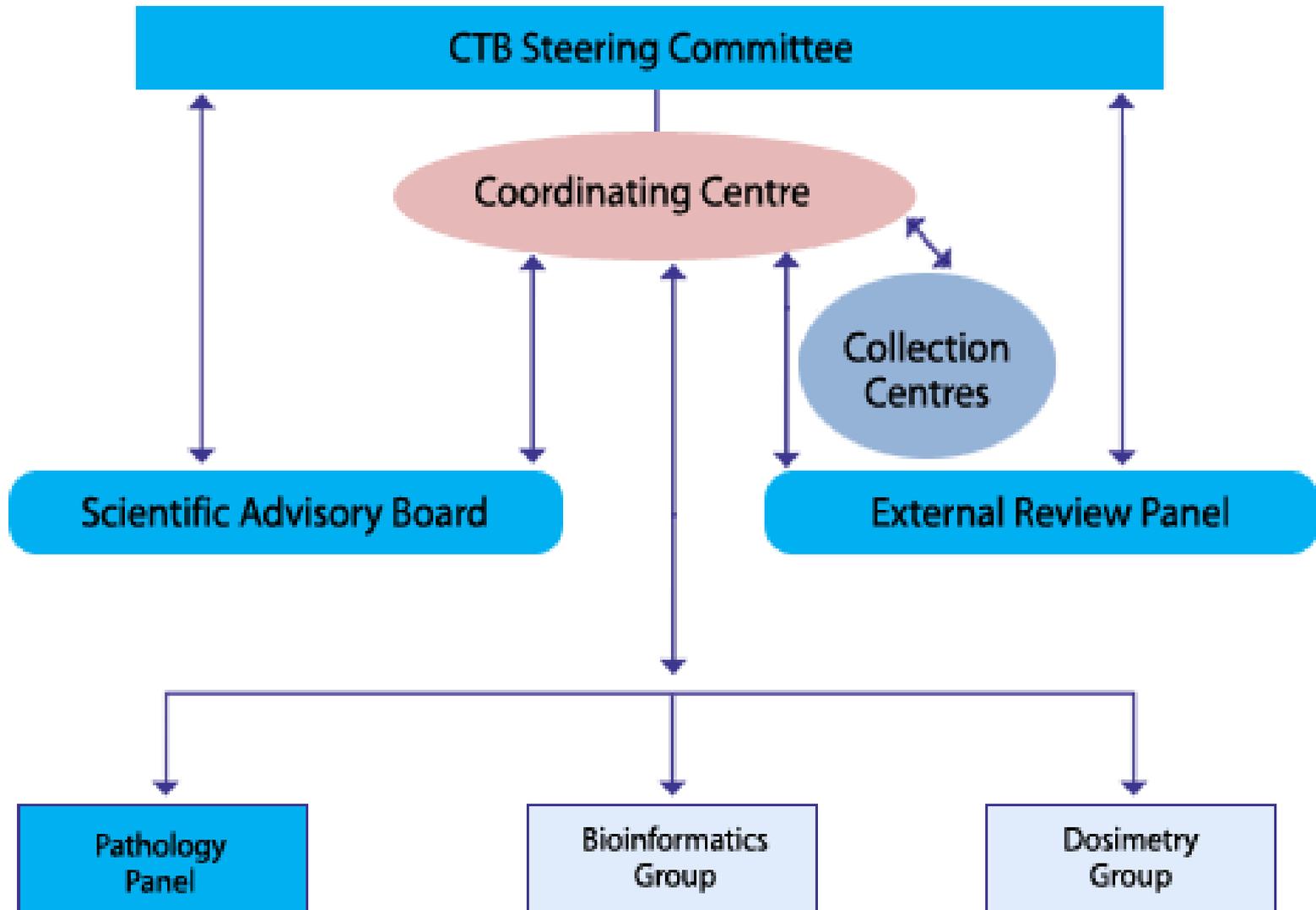
Organizational Structure of the CTB



WHO

The Chernobyl Tissue Bank Governance

(<http://www.chernobyltissuebank.com/index.html>)



Access to CTB Biomaterials

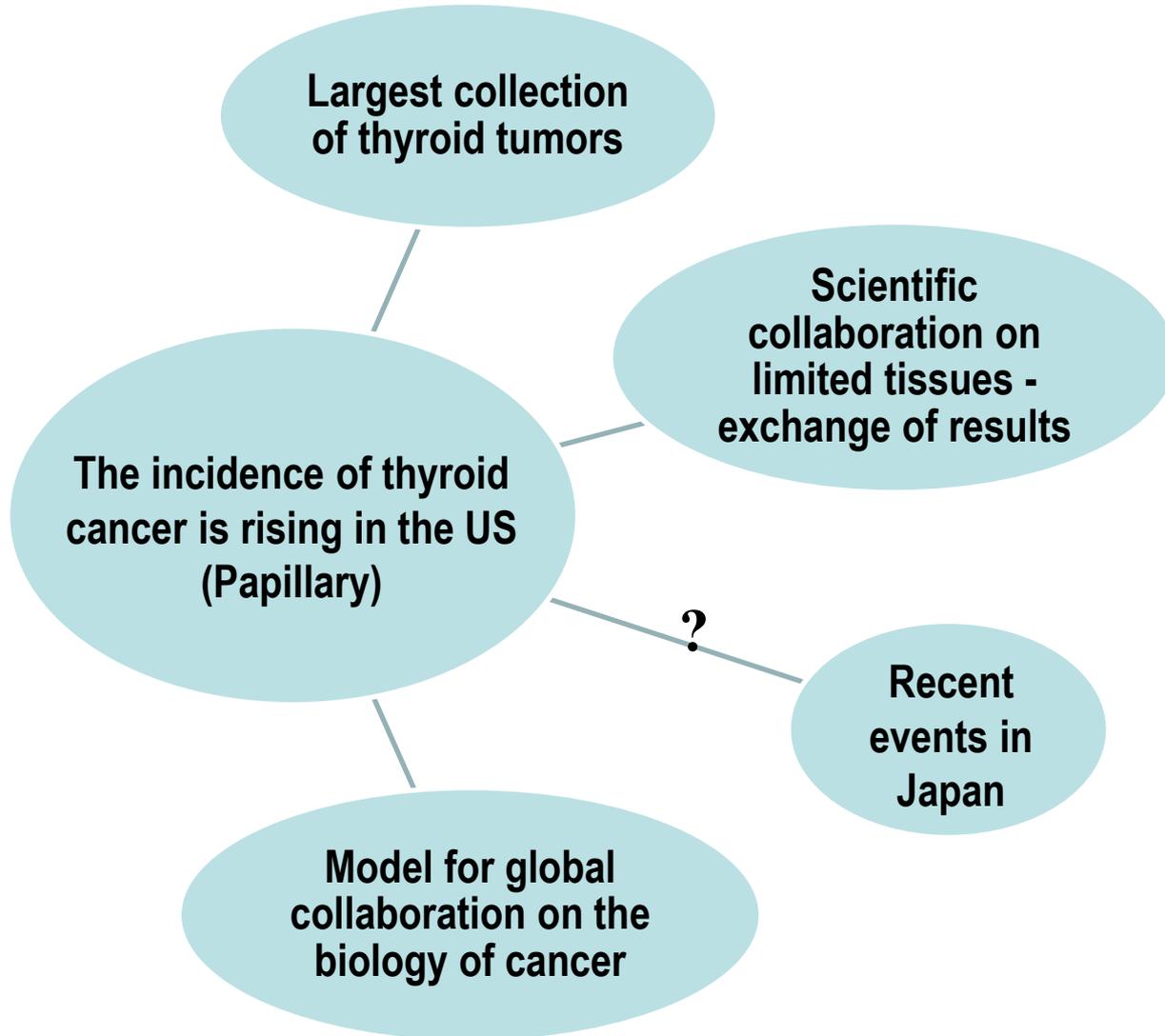
- **Applications reviewed by the CTB External Review Panel**
 - Ranking based on scientific merit
 - Concurrence by the CTB Scientific Advisory Board

- **Does not supply thyroid tissue, only tissue sections and extracted bioanalytes**
 - Preserves valuable specimens for future research
 - Enables broad assessments of the tumors

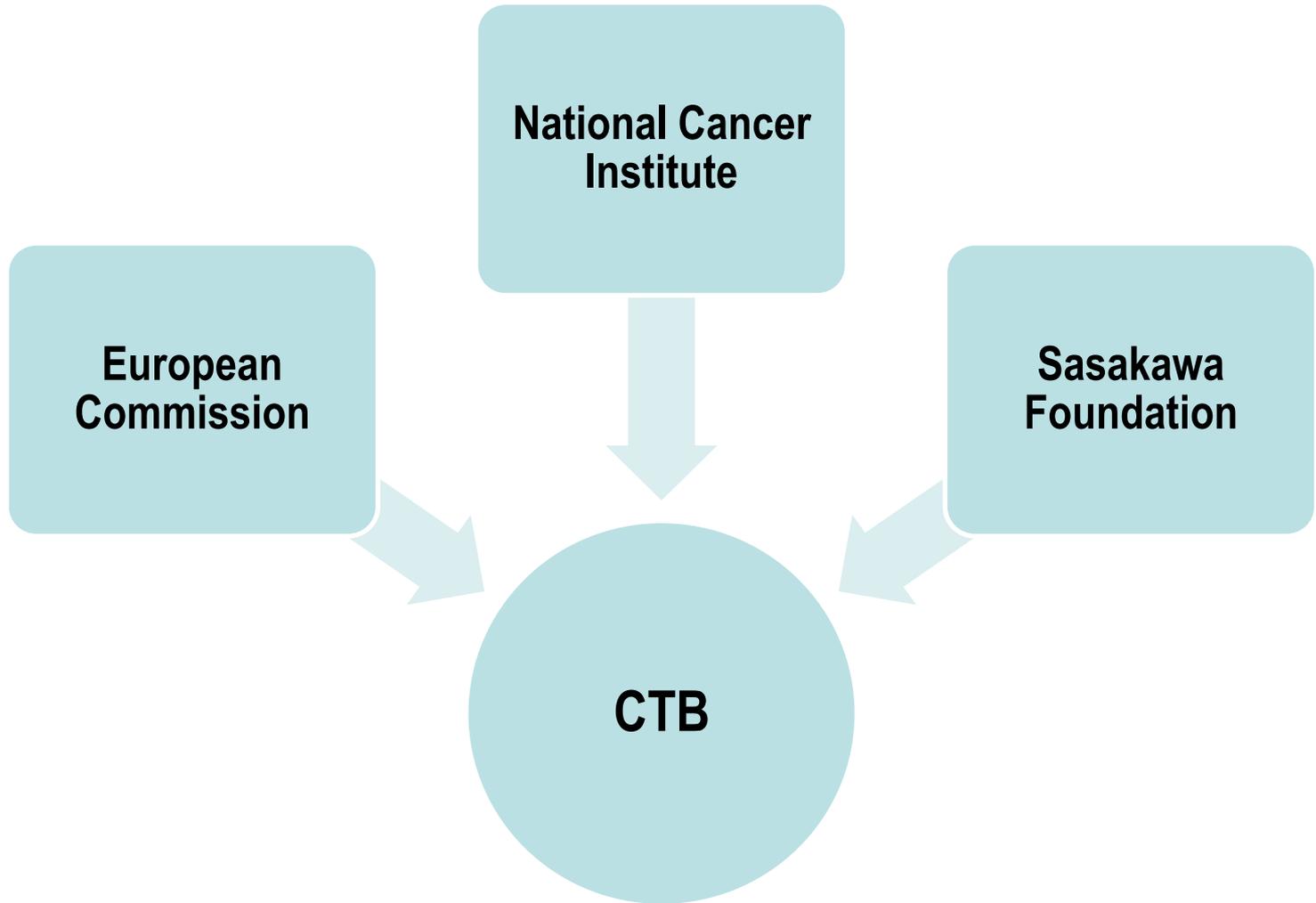
Biomaterials Released to Approved Projects

<u>Type of Sample</u>	<u>Aliquots Released</u>	<u>Released 09/08-present</u>
RNA	2397	726
DNA	1627	818
DNA from Blood	451	305
FFPE Sections	6300	722

CTB Significant Attributes



CTB Collaborative Funding



The Chernobyl Tissue Bank

Questions?