



PhD week 15-19 Aprile 2024



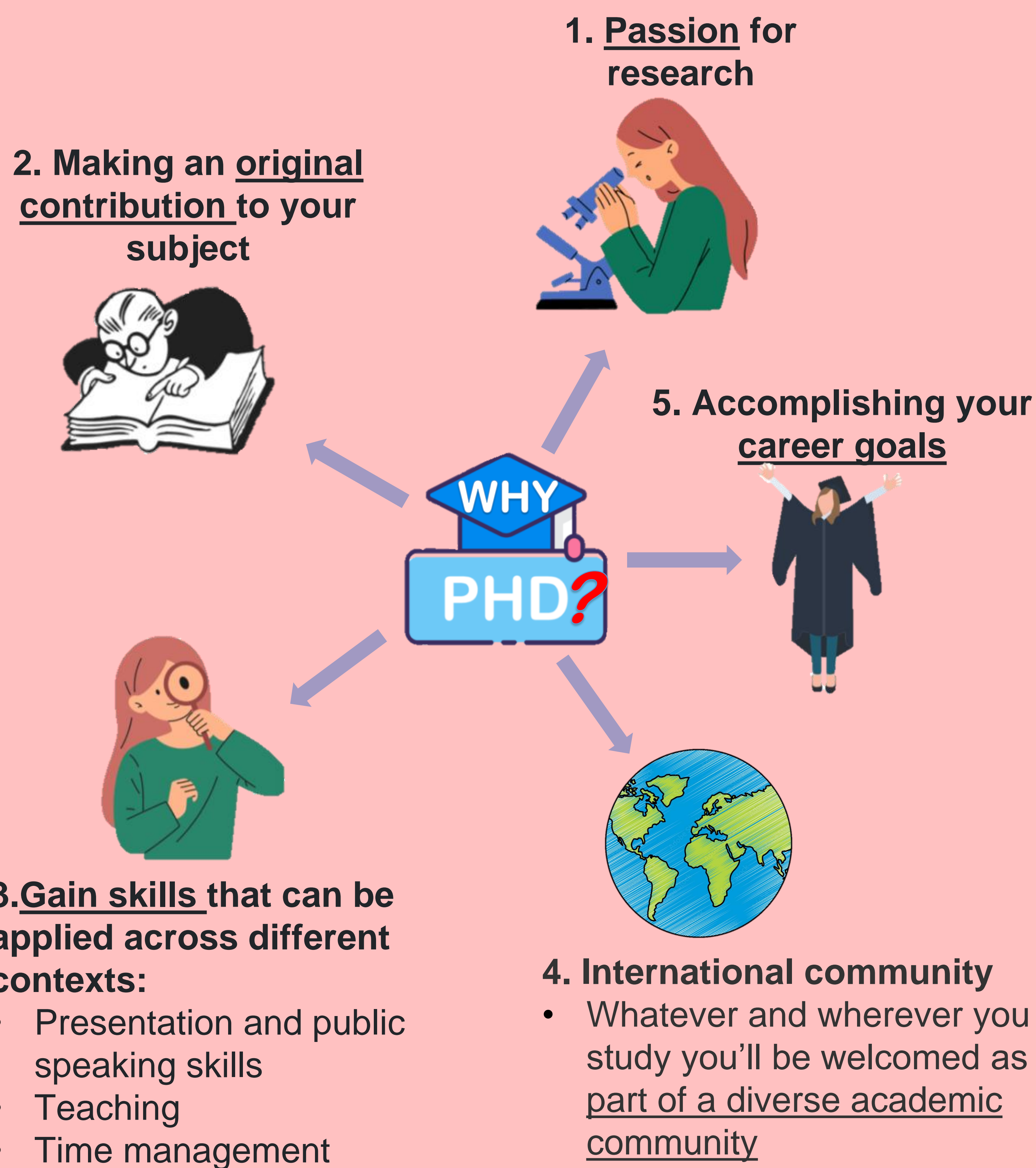
UNIVERSITÀ
DEGLI STUDI
DI BRESCIA

Iulia Andreea Pelisenco

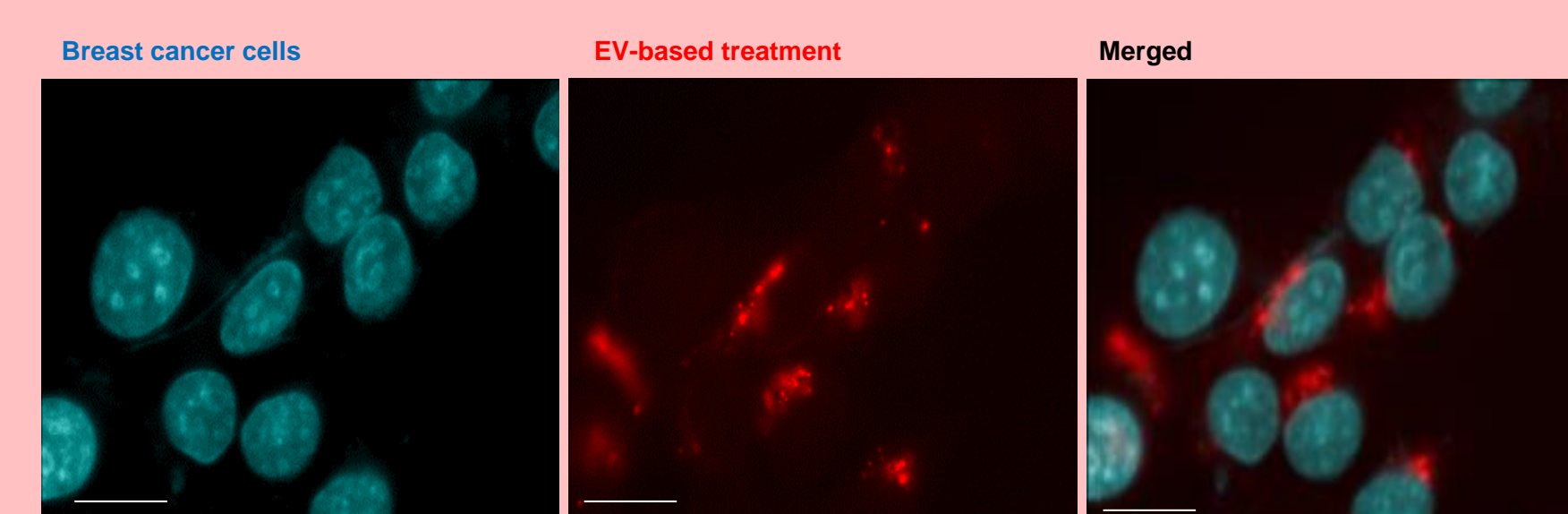
GENETICA MOLECOLARE,
BIOTECNOLOGIE E MEDICINA
SPERIMENTALE



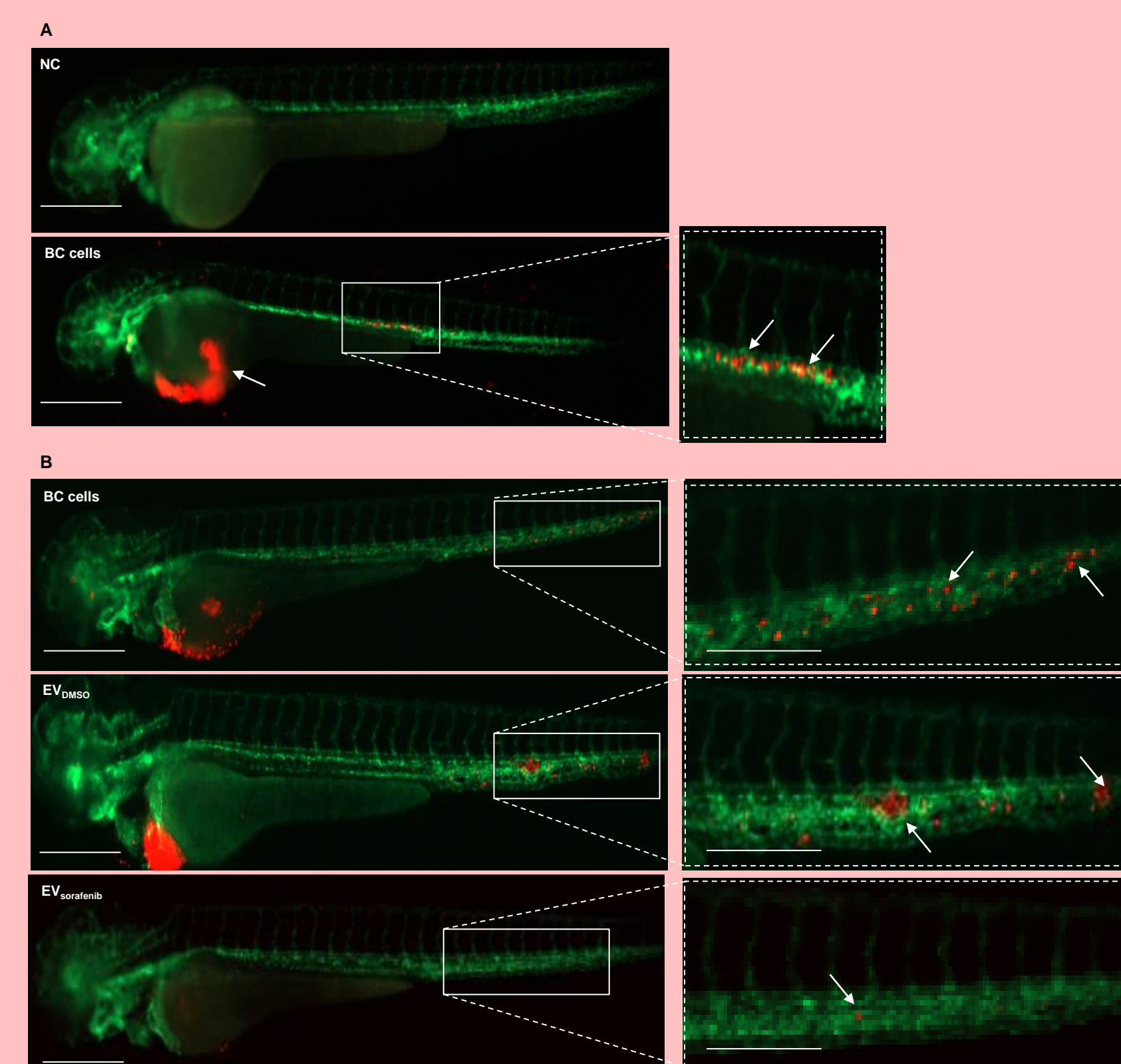
Why choose a research PhD program?



Sneak peek of my work



EVs-based ncRNAs delivery to target breast cancer cells. a Representative fluorescent microscopy images showing the uptake of extracellular vesicles (EVs) labeled in red by the recipient breast cancer cells at 24 hours post-treatment. Scale bars correspond to 30 μ m for 63x magnification, and the fluorescent dyes used were DAPI (blue) for nuclei and CM-Dil (red) for EVs.



Effects of enriched EVs-based treatment on tumor xenografts at T0 and T1. (A) Representative lateral view pictures of Tg (kdrl:EGFP) uninjected fish were used as negative control (NC); CM-Dil labeled breast cancer (BC) cells were injected into the yolk sac of the 48 hpf zebrafish. Representative images of the zebrafish were acquired 2 hpi (T0); (B) at 24 hpi (T1) trunk and tail pictures were obtained, arrows indicate the cancer cell cluster formation at the tail level migrated, cell number is regarded as an indicator of the aggressivity of the BC cells. Scale bars correspond to 500 μ m for magnification of 20x and 32x.