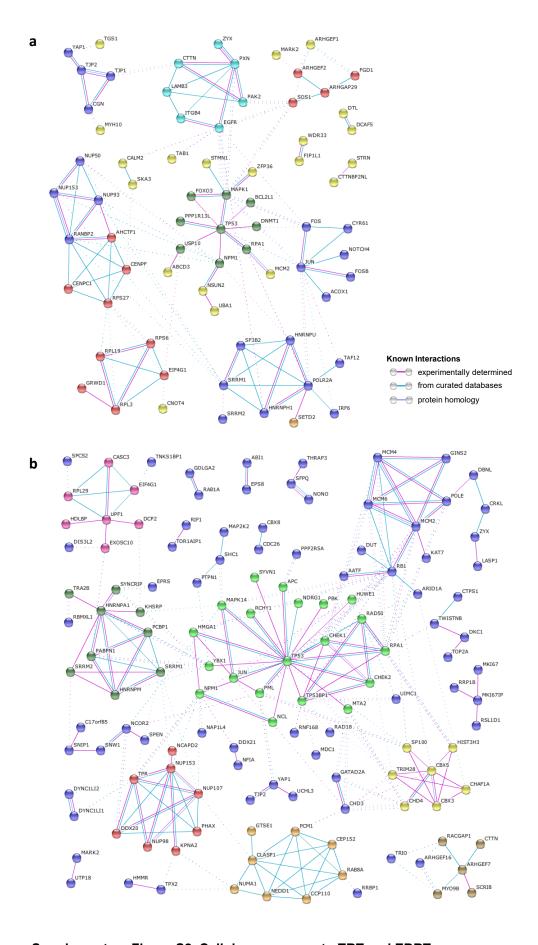
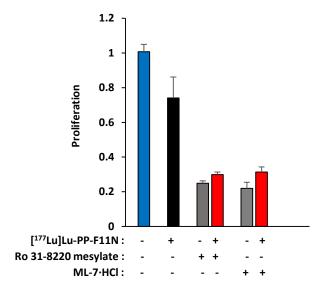


Supplementary Figure S1. Analysis of cell proliferation in response to TRT and EBRT. A431/CCKBR cell proliferation was analyzed 24, 48 and 72 h after treatment with [177 Lu]Lu-PP-F11N (a) and EBRT (b), as indicated. Results were assayed in triplicate and data represent means \pm SD.

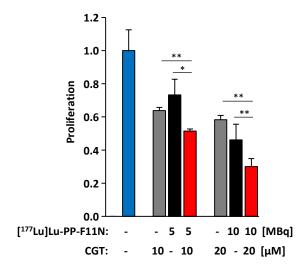


Supplementary Figure S2. Cellular responses to TRT and EBRT.

String interactom analysis of identified proteins with altered phosphorylation or protein level in response to TRT (**a**) and EBRT(**b**).

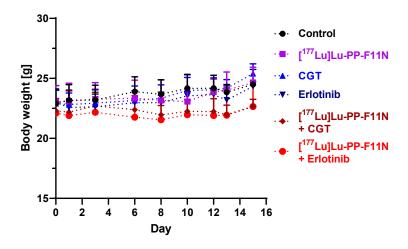


Supplementary Figure S3. Analysis of A431/CCKBR cell proliferation in response to kinase inhibitors in combination with [177 Lu]Lu-PP-F11N. Cell proliferation 48 h after treatment with 10 μ M Ro 31-8220 mesylate and ML-7-HCl alone or in combination with 5 MBq per ml of [177 Lu]Lu-PP-F11N. Results were assayed in triplicate and data represent means \pm SD.



Supplementary Figure S4. Validation of radiosensitizing targets to TRT. A431/CCKBR cell proliferation was analyzed 48 h after treatment with 10 or 20 μ M cilengitide (CGT) and/or 5 and 10 MBq per ml of [177Lu]Lu-PP-F11N, as

indicated. Results were assayed in triplicate and proliferation in control untreated cells was set to 1. Data represent means \pm SD. *P < 0.05, **P<0.01



Supplementary Figure S5. Body weight in treated mice. Body weight of A431/CCKBR xenografted nude mice, in control and treatment groups. Values show mean \pm SD.