

# Editorial: Restoring our ubiquitination machinery to overcome resistance to cancer therapy

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A new editorial paper was published in *Oncoscience* on May 6, 2024, titled, "[Restoring our ubiquitination machinery to overcome resistance in cancer therapy.](#)"

In this new editorial, researchers Xiaoling Li and Ping Mu from the University of Southwestern Medical Center discuss the ubiquitin-proteasome system (UPS), which is usually responsible for regulating [protein degradation](#), important for cellular homeostasis, and crucial in cancer progression. Its ability to regulate the stability of proteins that drive cancer growth and survival indicates its potential as a therapeutic target.

Among the UPS components, ubiquitin-conjugating enzymes, such as ubiquitin-conjugating enzyme E2 J1 (UBE2J1), have emerged as key players in cancer dynamics, especially in [prostate cancer](#) (PCa) where therapy resistance is a significant challenge.

"In our recent study, through a comprehensive [in vivo library screening](#), we have identified the role of UBE2J1 in PCa, particularly its involvement in the [degradation of the androgen receptor](#) (AR)," explained the authors.

**More information:** Xiaoling Li et al, Restoring our ubiquitination machinery to overcome resistance in cancer therapy, *Oncoscience* (2024). [DOI: 10.18632/oncoscience.600](https://doi.org/10.18632/oncoscience.600)

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