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## Dissertation

[Regulation of the glucocorticoid receptor in prostate cancer disease progression and resistance to antiandrogen therapy \(2018\)](#)

## Mentor

[Charles L. Sawyers, MD](#)

## Start Year

2011

Neel Shah

## End Year

2018

## Education

The University of British Columbia

## Publications

[Bose R, Karthaus WR, Armenia J, Abida W, Iaquinta PJ, Zhang Z, Wongvipat J, Wasmuth EV, Shah N, Sullivan PS, Doran MG, Wang P, Patrino A, Zhao Y, International SU2C/PCF Prostate Cancer Dream Team, Zheng D, Schultz N, Sawyers CL. \(2017\) ERF mutations reveal a balance of ETS factors controlling prostate oncogenesis. \*Nature\* 546, 671-675. PMID: PMC5576182 \[Available on 2018-06-29\]](#)

[Shah N, Wang P, Wongvipat J, Karthaus WR, Abida W, Armenia J, Rockowitz S, Drier Y, Bernstein BE, Long HW, Freedman ML, Arora VK, Zheng D, Sawyers CL. \(2017\) Regulation of the glucocorticoid receptor via a BET-dependent enhancer drives antiandrogen resistance in prostate cancer. \*Elife\* 6, pii: e27861. PMID: PMC5593504](#)

[Mu P, Zhang Z, Benelli M, Karthaus WR, Hoover E, Chen CC, Wongvipat J, Ku SY, Gao D, Cao Z, Shah N, Adams EJ, Abida W, Watson PA, Prandi D, Huang CH, de Stanchina E, Lowe SW, Ellis L, Beltran H, Rubin MA, Goodrich DW, Demichelis F, Sawyers CL. \(2017\) SOX2 promotes lineage plasticity and antiandrogen resistance in TP53- and RB1-deficient prostate cancer. \*Science\* 355, 84-88. PMID: PMC5247742 \[Available on 2017-04-06\]](#)

[Caley MP, King H, Shah N, Wang K, Rodriguez-Teja M, Gronau JH, Waxman J, Sturge J. \(2016\) Tumor-associated Endo180 requires stromal-derived LOX to promote metastatic prostate cancer cell migration on human ECM surfaces. \*Clin Exp Metastasis\*. 33, 151-65. PMID: PMC4761374.](#)

[Arora, V., Schenkein, E., Murali, R., Subudhi, S., Wongvipat, J., Balbas, M., Shah, N., Cai, L., Efsthathiou, E., Logothetis, C., Zheng, D., and Sawyers, C. \(2013\) Glucocorticoid receptor confers resistance to antiandrogens by bypassing androgen receptor blockade. \*Cell\*, 155, 1309-1322. PMID: 24315100; PMID: PMC3932525.](#)

[Polkinghorn, W., Parker, J., Lee, M., Kass, E., Spratt, D., Iaquinta, P., Arora, V., Yen, W., Cai, L., Zheng, D., Carver, B., Chen, Y., Watson, P., Shah, N., Fujisawa, S., Goglia, A., Gopalan, A., Hieronymus, H., Wongvipat, J., Scardino, P., Zelefsky, M., Jasin, M., Chaudhuri, J., Powell, S., and Sawyers, C. \(2013\) Androgen receptor signaling regulates DNA repair in prostate cancers. \*Cancer Discov\*, 3, 1245-1253. PMID: 24027196; PMID: PMC3888815.](#)

[View a full listing of Neel Shah's journal articles.](#)

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