

# Case Study: Educational Institution

## Introduction

This case study of a educational institution is based on a August 2013 survey of Ingenuity IPA customers by TechValidate, a 3rd-party research service. The profiled organization asked to have their name blinded to protect their confidentiality.



“IPA has the deepest database and is the easiest to use compared to anything else on the market. The ‘Upstream Regulator’ function is unique to IPA and is one of the main reasons I use this bioinformatic software.”

## Challenges

- Solved the following challenges since deploying IPA for RNA sequencing analysis:
  - Improved precise measurement of transcripts
- Purchased IPA for RNA sequencing analysis for the following reasons:
  - Interpret the impact of expression changes in the context of biological processes, disease and cellular phenotypes, and molecular interactions
  - Compile targeted bibliographies with experimental evidence linking their differentially expressed isoforms to biological processes, disease, and molecular interactions

## Use Case

- Uses the following species in their RNA seq analysis:
  - Humans
- Uses the following upstream analysis packages to generate RNA-Seq expression values:
  - DESeq
  - Partek

## Results

- Rates the following IPA capabilities compared to the competition:
  - Faster time to insights: highly differentiated
  - Ease of use: highly differentiated
  - Novel insights: extremely differentiated
  - Deeper analysis: extremely differentiated
- Is very satisfied with the value for identifying biologically relevant isoforms from RNA seq data using IPA.
- Increased the productivity of their bioinformatics staff for RNA seq analysis by 5 to 10x with IPA.

### Organization Profile

The organization featured in this case study asked to have its name publicly blinded because publicly endorsing vendors is against their policies.

TechValidate stands behind the authenticity of this data.

Industry:  
**Educational Institution**

### About Ingenuity IPA

QIAGEN offers industry-leading applications for the analysis, interpretation, and reporting of biological data.

Understanding raw data is one of the most significant challenges in modern molecular methods. Data must be examined within the context of complex biological processes, and rapidly increasing throughput makes analyses time and labor intensive. QIAGEN's portfolio of powerful tools addresses this bottleneck with innovative applications based on cutting-edge bioinformatics.

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