There are currently 30 PFAS chemicals listed on the TEDX List of Potential Endocrine Disruptors. Endocrine disrupting activity for these chemicals was identified in more than 50 peer reviewed studies. These chemicals are associated with a variety of endocrine effects from disrupting thyroid hormones important for proper neurodevelopment to activating hormone receptors that impact obesity and lipid metabolism. Some are associated with altered development.

**PFBA**
- Increased liver weight and hypertrophy in mice
- PPARα activator *in vitro*

**PFPeA**
- Cord blood levels associated with cord blood thyroid hormone, which is important for neurodevelopment
- Positively associated with thyroglobulin antibody and microsomal antibody
- PPARα activator *in vitro* in many cell systems

**PFHxA**
- Positively associated with thyroglobulin antibody and microsomal antibody
- Disrupted thyroid hormone responsive gene expression in neuronal cells from two bird species
- PPARα activator *in vitro*

**6:2 FTOH**
- Activate estrogen-responsive gene expression in male fish
- Increased production of estradiol *in vitro*
- Increased proliferation of estrogen responsive cells and altered estrogen responsive gene expression *in vitro*

Importantly, a lack of evidence does not indicate a lack of effect. Rather it indicates that not all of these chemicals have been tested for important biological activity yet.
There are currently 30 PFAS chemicals listed on the TEDX List of Potential Endocrine Disruptors. Endocrine disrupting activity for these chemicals was identified in more than 50 peer reviewed studies.

**PFBA**
- Increased liver weight and hypertrophy in mice  
  Foreman et al. 2009
- PPARα activator in vitro  
  Rosenmai et al. 2016  
  Ishibashi et al. 2011

**PFPeA**
- Cord blood levels associated with cord blood thyroid hormone, which is important for neurodevelopment  
- Positively associated with thyroglobulin antibody and microsomal antibody  
  Li et al. 2017
- PPARα activator in vitro in many cell systems  
  Wolf et al. 2012  
  Rosenmai et al. 2017  
  Ishibashi et al. 2011

**PFHxA**
- Positively associated with thyroglobulin antibody and microsomal antibody  
  Li et al. 2017
- Disrupted thyroid hormone responsive gene expression in neuronal cells from two bird species  
  Vongphachan et al. 2011
- PPARα activator in vitro  
  Wolf et al. 2012  
  Rosenmai et al. 2016

**PFHpA**
- PPARα and PPARγ activator in vitro in multiple cell systems  
  Rosenmai et al. 2016  
  Rosenmai et al. 2017  
  Wolf et al. 2012
- Disrupted thyroid hormone responsive gene expression in neuronal cells from two bird species  
  Vongphachan et al. 2011

**PFBS**
- Hypothyroxinemia, developmental abnormalities, and altered puberty after fetal exposure in mice  
  Feng et al. 2017
- Inhibited aromatase activity in vitro  
  Gorrochategui et al. 2014
- Altered expression of estrogen and androgen receptor in tadpoles  
  Lou et al. 2013
- PPARα activator in vitro  
  Rosenmai et al. 2017
- Disrupted thyroid hormone responsive gene expression in neuronal cells from chicken  
  Vongphachan et al. 2011

**4:2 FTOH**
- Estrogen receptor activator in vitro  
  Rosenmai et al. 2016

**6:2 FTOH**
- Activate estrogen-responsive gene expression in male fish  
  Ishibashi et al. 2008
- Increased production of estradiol in vitro  
  Rosenmai et al. 2016
- Increased proliferation of estrogen responsive cells and altered estrogen responsive gene expression in vitro  
  Maras et al. 2006